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ANNUAL REPORTS

OF THE

Navy Department

FOR THE FISCAL YEAR
(Including Operations to November 15, 1925)

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ANNUAL REPORT

OF

THE SECRETARY OF THE NAVY

NAVY DEPARTMENT,
Washington, November 15, 1925.

To the PRESIDENT:

I have the honor to submit herewith the annual report of the Secretary of the Navy. This report is compiled from the reports made by the heads of the departments and bureaus.

Among the notable events of the year was the completion on February 17, 1925, of the scrapping of the capital ships as provided by the treaty for the limitation of naval armament.

One of the outstanding features of the work of the Navy during the last year has been the Australian-New Zealand cruise of the fleet following the joint Army-Navy maneuvers at Hawaii. This highly successful cruise of the United States Fleet with its battleships, attendant cruisers, destroyers, and auxiliaries was a practical demonstration of the fitness of the Navy and also served to foster friendly relations with our neighbors of the South Pacific. That nearly 25,000 young Americans have had an opportunity to see these countries and to be in contact with the inhabitants of Australia and New Zealand can not help but have a desirable influence on the future relations of the countries concerned.

The effect of this visit was favorably commented upon by officials and newspapers of Australia and New Zealand and in the reports from our own officers. The following editorial from the New Zealand Times upon the occasion of the departure of our fleet from New Zealand illustrates the attitude of the press and the character of the impression made by our officers and men upon their hosts, viz:

> Our friends of the American Fleet have proved their friendship for us, established complete reciprocity of the good will which goes with friendship. In addition to this cordiality they leave another impression, the impression of the magnificent behavior and splendid discipline of their fleet. In all history, there is no better record of the bearing of a great fighting force in a foreign port. The Auckland record of the visit of this fleet is similar, and the Australian records are entirely to the same effect. We are, therefore, not only friendly to our departing visitors, but exceedingly proud of our American cousins and anxious to see more of them and hear more about them.

In pursuance of the authorization of Congress for reconditioning the U. S. S. *Constitution* (Old Ironsides), and by virtue of the authority granted by Congress, a campaign was undertaken to raise funds by voluntary subscription for this purpose by Rear Admiral de Steiguer, commandant of the Charlestown Navy Yard, at Boston, assisted by the Benevolent and Protective Order of Elks, the Daughters of 1812, and other patriotic societies. It is desired, if possible, to raise these funds by small contributions from school children rather than larger contributions in order to inspire patriotism in the children and to increase their knowledge of the history of our country. In pursuance of this plan, the President of the United States selected three subjects for essays concerning the Constitution, to be written by college students, by high-school students, and by graded-school students, respectively. Commander Marion Eppley, of the Naval Reserve, provided 8 gold medals, 51 silver medals, and 1,400 bronze medals to be awarded to the successful competitors in these contests. Full reports as to the results of these efforts have not been received, and the campaign is still in progress.

The United States, by the treaty for the limitation of naval armament, was allowed to retain the battleship *Oregon* for noncombatant purposes due to its historic value. That vessel will be retained at Portland, Oreg., as a memorial and historical museum. It, however, remains the property of the United States until such time as the transfer to the State of Oregon is authorized by Congress.

During the period covered by this report I inspected the naval activities at Boston, Newport, New York, New London, Hampton Roads, Astoria, Oreg., San Francisco Bay, San Pedro, San Diego, Panama, Coco Solo, Guantanamo Bay, Quantico, Va., and Great Lakes, Ill. These inspections enable me to maintain first-hand contacts with important naval activities. The needs of both personnel and material are studied on the spot, and thus an appreciation of the relative importance of the various matters to be undertaken is obtained in the best possible manner. The Assistant Secretary of the Navy has also made numerous inspections including the naval activities in the Hawaiian Islands, on the west coast, the Great Lakes Naval Training Station, Naval Air Station, Pensacola, Fla., and most of the east coast navy yards and naval stations. He has also recently inspected the Battle Fleet upon its return to the United States.

Further experiments and investigations have been made during the year to determine whether or not any changes in the guns and equipment of our battleships would tend to improve the ejection of heated gases after discharge and extinguish any smouldering powder-bag particles remaining. As a result of these experiments certain changes have been made in guns and materials used which it is believed will tend to decrease the chances of future turret

accidents. In addition, greater emphasis has been placed upon the necessity of carefully inspecting the powder chamber and bore after each discharge of the gun.

Exhaustive experiments were made to ascertain the cause of the fire in the gun house of the *Trenton* occurring on October 20, 1924. It has not been possible to reproduce a fire in the manner in which the fire in the *Trenton* was caused, but, being reasonably assured that the fire was the result of smokeless and black powder being ground up in the hoisting gear, the hoists have been modified to prevent a recurrence, and other changes have been made to increase the safety of the guns, crews, and ship.

Investigations are still in progress in connection with the disasters to the *Shenandoah* and the *S–51*.

On September 11, 1925, the Secretary of the Navy joined with the Secretary of War in requesting the President to appoint a board to study aviation in both the Navy and the Army. The previous board appointed by the Secretary of the Navy at the instance of the President for the study of aviation and its relation to the various naval activities had already submitted its report which was made available to the President and to Congress during its last session. The evidence before this board contained much confidential information furnished by both Army and Navy officers and a transcript of the testimony was furnished to the board appointed by the President. This latter board will undoubtedly make its report before the next session of Congress. In addition to the evidence taken before these two boards, five volumes of testimony, with a sixth volume containing an index to the testimony, have been published containing the hearings before the House Select Committee of Inquiry into Operations of the United States Air Services, Sixty-eighth Congress. It is believed that in these hearings the opinion of most of those persons best qualified to express an opinion upon aviation matters has been made available for study by experts and that this study will assist the department in the administration of its aviation activities.

During the year there has been established at the Naval Academy, Annapolis, a course of instruction in aviation hereafter more specifically described.

ORGANIZATION OF UNITED STATES NAVAL FORCES.

There has been no change in the organization of the forces afloat. Changes in assignment occurred during the year as follows:

Destroyer Division 39 proceeded to the Asiatic Station and was assigned to the Asiatic Fleet as relief of Division 38.

The *Beaver* and Submarine Division 16 sailed from Honolulu for the Asiatic Station June 15 and were assigned to the submarine divisions, Asiatic Fleet.

Submarine Divisions 12 and 18 were detached from the Asiatic Fleet on October 29, proceeded to San Francisco and reported for duty to the commander, submarine divisions, Battle Fleet. The tender of these divisions, the *Rainbow*, was detached from the Asiatic Fleet and is now out of commission at Philadelphia.

The *Savannah* and Submarine Division 11, consisting of submarines *S–24* to *S–29*, inclusive, were detached from the Scouting Fleet and reported to the commander, Battle Fleet, May 16, 1925.

Destroyer Division 38 was detached from the Asiatic Fleet on May 18 and joined the Scouting Fleet.

Destroyer Division 27 proceeded from Boston on June 17 for the European Station, relieving Destroyer Division 26 on June 30.

Eagle Boat Division 1, composed of Eagles *35*, *47*, and *58*, has been organized as a part of the submarine divisions, Battle Fleet.

OPERATING FORCE PLAN

The operating force plan of seagoing forces for the fiscal year 1925 was based on an enlisted strength of 86,000 men. The following vessels were maintained in full commission with the forces afloat during the entire year:

17 battleships, first line.
4 cruisers, second line.
8 light cruisers, first line.
3 light cruisers, second line.
1 aircraft carrier, second line.
2 mine layers, second line.
103 destroyers, first line.
6 light mine layers.
80 submarines, first and second lines.
9 patrol vessels, gunboats.
6 patrol vessels, converted yachts.
6 destroyer tenders.
7 submarine tenders.
1 fleet submarine, first line.
1 aircraft tender.
2 repair ships.
2 store ships.
2 colliers.
8 oilers.
1 ammunition ship.
4 cargo ships.
2 transports.
1 hospital ship.
8 fleet tugs.
25 mine sweepers.
6 miscellaneous.

EMPLOYMENT OF FORCES.

UNITED STATES FLEET MANEUVERS

Admiral S. S. Robison relieved Admiral R. E. Coontz as commander in chief United States Fleet on October 3, 1925, and Admiral C. F. Hughes assumed command of the Battle Fleet on October 14, 1925.

On December 22, 1924, Vice Admiral J. S. McKean relieved Vice Admiral N. A. McCully as commander, Scouting Fleet.

The required gunnery practices were fired and the required engineering runs and competitions were held by all vessels available.

The control force proceeded to Pensacola, Fla., early in November, where various exercises were held, lasting throughout November and December.

The Scouting Fleet left the east coast early in January and proceeded to Guantanamo, where the control force joined it. Gunnery exercises were held there until the middle of February, when these forces, less all battleships except *Wyoming*, and less Destroyer Divisions 25 and 27, proceeded to the Canal Zone and transited the canal.

These forces left Balboa February 23 and proceeded up the west coast. En route, with the Battle Fleet they engaged in fleet problem No. 5, which represented an attempt to seize and occupy an unfortified anchorage in the vicinity of enemy territory. The United States Fleet assembled in the San Diego-San Francisco area, sailing from the latter port for Hawaii on April 15. En route to the Hawaiian Islands the fleet engaged in joint Army and Navy problem No. 3, which represented an attack on the Hawaiian Islands by a large overseas force and was designed to test to the fullest extent the defenses of the Hawaiian Islands.

The combined fleet remained in the vicinity of the Hawaiian Islands engaging in various forms of tactical exercises and maneuvers until June 7, when the Scouting Fleet with the exception of Light Cruiser Division 2 left for the east coast via San Diego and the Canal Zone.

The aircraft squadrons, Scouting Fleet, left Hampton Roads January 30 and proceeded directly to Hawaii. During the joint maneuvers they formed a part of the forces defending the islands. The aircraft squadrons left the Hawaiian Islands on the return trip to the east coast on June 9.

On July 1, 1925, the Battle Fleet with one division of light cruisers from the Scouting Fleet sailed from Honolulu on a cruise to Australia and New Zealand via Samoa. Visits were made at the following cities: Melbourne, Wellington, Sydney, Auckland, Dunedin, and Lyttleton. This fleet started the return voyage to the west coast the latter part of August. The personnel of the Battle Fleet was extensively entertained in Australia and New Zealand. This visit did much to further cement the friendly feeling existing between the United States and Australia and New Zealand.

The Battle Fleet returned to the San Pedro-San Diego area on September 26, after a very successful cruise. Light Cruiser Division 2, Scouting Fleet, returned via the South Sea Islands and the Panama Canal, arriving in Guantanamo on October 4, for target practice.

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On August 1 the *Texas* proceeded to the Norfolk Navy Yard for modernization, and on September 1 the *Arkansas* proceeded to Philadelphia for the same purpose. These vessels will be in reduced commission during the period of modernization.

ASIATIC FLEET ACTIVITIES

Admiral C. S. Williams relieved Admiral Thomas Washington as commander in chief Asiatic Fleet, on October 14, 1925.

The Asiatic Fleet carried out the prescribed forms of gunnery exercises and engineering performances. The vessels of this fleet were employed frequently for the protection of American lives and property in China during the year.

Following the urgent appeals for protection of American shipping and trade in China, and for more adequate police protection for American missionaries in the disturbed sections, the Sixty-eighth Congress authorized the construction of six river gunboats. These gunboats will be capable of operating in the upper reaches of the rivers and will be of much greater value than the old gunboats and mine sweepers they will replace.

In September and October, 1924, the operations of contending Chinese armies threatened the safety of American lives and property in the vicinity of Shanghai and the lower Yangtze River. Vessels of the Asiatic Fleet available, reinforced by marines from Guam, were employed for their protection. Acting with other powers, navigation to Shanghai was kept open and fighting in the city was prevented.

Due to political disturbances, practically the entire Asiatic Fleet has been employed for the protection of American lives and property in the coast cities of China and on the Yangtze and West Rivers.

The *Heron* was commissioned and on December 18 assigned as an additional aircraft tender to the Asiatic Fleet.

FORCES IN EUROPE

Vice Admiral Roger Welles relieved Vice Admiral Philip Andrews as commander of United States naval forces in Europe on October 10, 1925.

During the year the naval forces operating in European waters consisted of the *Pittsburgh* and Destroyer Division 26.

As formerly, vessels in European waters acted in cooperation with the State Department, and cruised along the entire European and north African coasts.

The *Scorpion*, although infrequently at Constantinople, continued to act as station ship in the eastern Mediterranean with additional

duty as flagship of Rear Admiral Mark L. Bristol, high commissioner to Turkey.

Vessels on the European Station engaged in those forms of target practice and engineering competitions permitted by the duty they were performing.

Vessels on this station have continued to render valuable assistance to refugees and others in distress, when called upon by proper authority. A letter has just been received from the director of the foreign department of the Near East Relief, written on Navy Day, October 27, 1925, and expressing the appreciation of that organization for services rendered by the Navy in the Near East. I quote the following extracts from this letter:

> Navy Day provides American philanthropic organizations operating in the Near East with another opportunity to express their high esteem of the value of the United States Navy and its personnel—
>
> First. As a stabilizing influence in that region of continuous racial conflict.
>
> Second. As a great contributing factor toward facilitating the humane service rendered by the public of the United States to innocent sufferers of war, and for reconstruction.
>
> Third. As a positive and quiet force for the security of American citizens working in the Near East, whether on business, in missions, or philanthropy.
>
> Near East Relief has had special opportunity to observe and appreciate the constant alert service of the United States Navy in these respects, and is at this moment reassuring the relatives of some 30 Americans in its hospital, reconstruction, and orphanage school service in Syria; that the presence of two destroyers dispatched to near-by waters during the present difficulties in Syria is significant of the safety of our representatives on their important duties.
>
> As to the stabilizing values of the United States Navy we need but refer only to one of the least significant of the records of Navy service by quoting from a report to this organization by its representatives, in October, 1923, which states cryptically, "The moral effect of a searchlight thrown by the destroyer U. S. S. *Simpson* upon the pier at Samsoun over the huddled refugees at night, at the request of American relief workers, can not be overestimated."
>
> It is perhaps unnecessary to recount again those records now an authentic and valuable part of history, such as the prompt attenton of naval vessels and personnel to the rescue of women and children during such crises as the Smyrna fire, in which the American public was endeavoring to render succor, or to refer to the rapid passage by the Navy of emergency foodstuffs and medical personnel of this organization from port to port following this and during related emergencies.
>
> But it is well at this time to record especially that which, less heroic, is less known and appreciated by the public, the consistent home service which facilitates, when space and duties of the Navy permit, the progress of relief supplies from the Pacific coast to Atlantic ports where Shipping Board vessels may carry forward the service.
>
> For the American philanthropies of the Near East, and especially for the personnel of this organization operating in five near eastern countries, Near East Relief desires, therefore, to express again its high estimate of, and to express its best wishes to, the Navy and its personnel.

SPECIAL SERVICE SQUADRON

As in previous years, the special service squadron was engaged in protecting American lives and property in Central America.

Rear Admiral J. H. Dayton was detached from command of the special service squadron March 13, 1925. Rear Admiral J. L. Latimer assumed command of the special service squadron May 30, 1925.

At various times during the year vessels of the special service squadron obtained data for the Hydrographic Office.

Vessels of the special service squadron completed all forms of target practices and engineering competitions.

The *Rochester*, flagship of the special service squadron, sailed from Key West July 19, 1925, for Arica with General Pershing and other members of the plebiscitary commission in connection with the Tacna-Arica arbitration.

SHAKEDOWN CRUISES

During the year four newly commissioned light cruisers and one cruiser-type submarine made shakedown cruises.

In accordance with the principle of giving crews of vessels opportunity to visit foreign stations, the shakedown cruises included, whenever possible, visits to foreign ports.

The *Raleigh* left Cape Cod Bay July 1, 1924, on a shakedown cruise scheduled to include the following ports: Christiania (now Oslo), Norway; Copenhagen; Rosyth; Gravesend; and Cherbourg. Because of the round-the-world flight by the Army aviators across the Atlantic, it was necessary for the *Raleigh* to omit Gravesend and Cherbourg and assist in guarding the flight from England to Labrador.

The *Trenton's* shakedown cruise, which commenced during the last of the fiscal year 1924, circumnavigated Africa.

The *Marblehead* upon her completion visited on her shakedown cruise Southampton, Marseille, Algiers, Gibraltar, and Funchal, returning to Boston, Mass.

The *Memphis* made a short shakedown cruise in the West Indies. A visit was made to Trinidad, where the commanding officer participated in the ceremonies incidental to the dedication of a memorial gateway in memory of Commodore Oliver Hazard Perry. This vessel's shakedown cruise was shortened in order that she might complete her final trials and participate in the Australian-New Zealand cruise.

The cruiser type submarine *V–1* left the navy yard, Portsmouth, N. H., on January 13 on a shakedown cruise, which included operations throughout the West Indian Islands, basing on Colon. The trips were intended to test out the cruising ability of this type of vessel.

U. S. S. "UTAH"

The U. S. S. *Utah*, with Gen. J. J. Pershing, United States Army, on board as head of a United States mission, visited Peru in connection with the centennial of the Battle of Ayacucho. Rear Admiral J. H. Dayton, United States Navy, commander of the special service squadron, was a member of the mission. The *Utah* sailed from Tompkinsville, N. Y., on November 22 and proceeded to Callao, Peru, for the celebration, which was held from December 7 to 20. The mission left the *Utah* at Valparaiso and proceeded by rail to Buenos Aires. The *Utah* proceeded through the Strait of Magellan to Montevideo, where the mission reembarked, and returned to the United States, visting en route Rio de Janeiro, Trinidid, La Guaira, and Habana. The *Utah* arrived at New York on March 13 and disembarked the mission.

RETURN OF BODY OF AMBASSADOR BANCROFT BY JAPANESE CRUISER

The Japanese cruiser *Tama* brought the body of the late Ambassador Edgar A. Bancroft to San Francisco, arriving August 22, 1925. The commander, submarine divisions, Battle Fleet, was placed in charge of ceremonies at San Francisco incident to the arrival of the remains.

SANTA BARBARA EARTHQUAKE

Upon receipt of information of the earthquake at Santa Barbara, Calif., June 29, instructions were sent to the commandants eleventh and twelfth naval districts and to the commander, midshipmen's practice squadron, to lend every possible assistance in the stricken area.

In compliance with these instructions Eagle *34* and the district tug *Koka*, with medical personnel and supplies, were dispatched on June 29 from San Diego to Santa Barbara, arriving the same day. The *Arkansas*, one of the vessels of the midshipmen's practice squadron, arrived at Santa Barbara about 3 a. m. on the 30th. The *McCawley*, *Pinola*, *Algoma*, and *Sonoma* were dispatched from San Francisco with emergency supplies.

The *Arkansas*, *McCawley*, and Eagle *34* landed a bluejacket patrol for the policing of Santa Barbara and established a temporary radio station ashore for transmission of messages. On July 1 the patrols were relieved by a battalion of marines from San Diego. The marines remained until July 29, 1925, when conditions became normal.

On July 2, all vessels were withdrawn from Santa Barbara. The citizens and officials of Santa Barbara were deeply grateful for the assistance of the Navy.

MIDSHIPMEN'S PRACTICE CRUISE

During the summer of 1925 the midshipmen's practice squadron, consisting of the *New York*, *Arkansas*, and *Utah*, left Annapolis with the midshipmen on June 6, transited the canal, and visited the principal west coast ports. The squadron returned to Annapolis on August 29.

"LOS ANGELES."

On November 19, 1924, the *Los Angeles* was christened by Mrs. Calvin Coolidge, at Washington, D. C., and was immediately placed in commission. During the year the *Los Angeles* has been engaged in making practice flights, basing at times on the *Patoka*. These flights included, in addition to local flights in the vicinity of Lakehurst, two flights to Bermuda, and one flight to Porto Rico and the Virgin Islands. These flights were made without using station ships. On the Porto Rican flight, the *Los Angeles* based on the *Patoka* for three days and made several flights in the vicinity of the West Indies before returning to Lakehurst. The second Bermuda flight and the Porto Rican flight were carried out in a satisfactory manner. On the morning of June 7, 1925, the *Los Angeles* left Lakehurst for a flight to Minneapolis, Minn., to participate in the Norse-American centennial. While in the vicinity of Cleveland, Ohio, engine trouble developed, which, in the judgment of the commanding officer, necessitated her return to Lakehurst without completing the trip in order to save the helium gas which would have been valved if she had proceeded without full utilization of her water recovery system. The course of the commanding officer was approved by the department and he was ordered to resume his flight as soon as repairs were made. He reported, after inspection, that a complete overhaul of the engines was needed and advised abandoning the trip and the transfer of the helium to the *Shenandoah*. Accordingly, on June 10, it was announced by the department that the repairs to the *Los Angeles* would be made and the *Shenandoah* would, when ready, cover the itinerary of the *Los Angeles* to Minneapolis from the point it was abandoned by the *Los Angeles*.

THE "SHENANDOAH"

The *Shenandoah* was ready for this flight early in July, but after conferences with the Bureau of Aeronautics and the commanding officer of the *Shenandoah* and upon the latter's recommendation the midwestern trip was postponed, so that during July and August she could operate with the fleet, which she did. In postponing the

midwestern flight, the department also acted upon the judgment of Lieutenant Commander Lansdowne as to the relative suitability of weather conditions in the midwest during July, August, and September, as well as the needs of the fleet. During the summer many requests were received by the department to extend the previously announced itinerary of the *Shenandoah* on her midwestern trip to Minneapolis. Efforts to reasonably comply with such requests and the completion of a mooring mast at Dearborn, Mich., made such changes practicable. On August 18, 1925, the Chief of Naval Operations held his final conference with Lieutenant Commander Lansdowne concerning the flight at which time Lieutenant Commander Lansdowne expressed himself as satisfied with the date and arrangements for the flight and expressed entire confidence in the ability of the ship and crew to successfully complete the proposed flight. At this conference Lieutenant Commander Lansdowne was again reminded that in accordance with the established policy of the department he was authorized to defer the trip, change the itinerary, or abandon it altogether if in his judgment such changes were rendered necessary by weather conditions.

About 3 p. m., September 2, the *Shenandoah* commenced her middle western flight on the schedule arranged by Lieutenant Commander Lansdowne in cooperation with the Chief of Naval Operations and the Bureau of Aeronautics. At 5 a. m., September 3, while proceeding through a violent storm, the *Shenandoah* broke in three sections, one section, the nose, landing at Sharon, Noble County, Ohio, and the other two sections, the midship and stern sections, landing at Ava, Ohio. The *Shenandoah* was completely wrecked, and Lieutenant Commander Zachary Lansdowne, her commanding officer, and four officers and nine enlisted men were killed. A court of inquiry ordered by the Secretary of the Navy has been making an exhaustive study of the accident in order to ascertain its causes, and has requested that the Bureau of Standards conduct some 1,500 experiments with portions of the recovered framework of the *Shenandoah*, to ascertain whether there had been any deterioration of the material, and whether its quality was in accordance with the design. The court is awaiting the result of these experiments before making its report which will be available at the next session of Congress.

The *Shenandoah* during the year had successfully carried out a voyage of over 9,300 statute miles from Lakehurst to Seattle, Wash., via San Diego, remaining away from her shed for a period of over 19 days. This trip gave Lieutenant Commander Lansdowne and his crew great confidence in the ship, and such confidence is manifested in his report on that flight and in an article prepared after that trip and published after his death.

MAJOR ACCIDENTS

During the year the following major accidents occurred to vessels of the Navy:

The submarine *R–1* grounded on October 28, 1924, on a reef 3 miles east of Barbers Point, Oahu, Hawaiian Islands. Due to the pounding of the surf it was necessary to remove all the crew and to employ tugs of the Commercial Salvage Co. These tugs, assisted by the *Seagull*, floated the *R–1* on October 31 and towed her to the navy yard, Pearl Harbor, where she was docked on the marine railway. There were no casualties to personnel, and the damages to the hull and machinery were repaired in three months and the vessel placed back in service.

The submarine *S–19* grounded on January 13, 5 miles south of Nausett, Mass., during a thick fog. The crew was removed from the submarine and an effort made to float her by using naval tugs. These efforts were unsuccessful, and a contract was awarded to the Merritt Chapman Wrecking Co. to float the *S–19*. The vessel was floated on March 18 and towed to the navy yard, Boston, where she was docked and examined to determine the extent of damages. Repairs are now practically completed. In this accident there were no casualties to personnel.

The submarine *S–48* grounded on the rocks to the southward of the entrance to Portsmouth, N. H., on January 29, while attempting to enter that harbor at night during a gale and snowstorm. Under her own power and aided by the seas the submarine got off the rocks, but was driven ashore in Little Harbor. All the crew were removed without casualty when the seas subsided. The vessel was floated on February 7, towed to the navy yard, and placed in dry dock.

At 10.24 p. m. on the night of September 25 the *S–51* while making engine runs off Block Island was struck on her port side just forward of the conning tower by the coastwise steamer *City of Rome* and sank almost instantly in 23 fathoms of water. The commanding officer, Lieut. Rodney H. Dobson, 5 officers, and 31 enlisted men were lost. Three enlisted men were rescued by the *City of Rome*.

Every effort was made to communicate with the crew and to raise the *S–51* at once, in the hope that some of the compartments were tight and that members of the crew were still alive, but divers sent down found that all compartments had been flooded immediately. Salvage operations undertaken by the commandant, third naval district, are under way.

NAVAL TRANSPORTATION SERVICE

At the beginning of the fiscal year 1925 the naval transportation service had in regular active service 10 vessels, viz, one collier, two oilers, two transports, one ammunition ship, and four cargo vessels. In addition to these, the *Argonne* was completing her last voyage as a transport and was assigned as a submarine tender on her arrival at San Francisco; the *Gold Star* was making her last Alaskan voyage as radio tender, and on her return received the refrigerating plant from the *Newport News* at the navy yard, Mare Island, and was sent to Guam as station ship, relieving the *Pensacola.*

The naval transportation service vessels have been engaged in their normal occupations throughout the year. The *Orion* and *Jason* alternated between duty with the train and the naval transportation service. When the modernization of the coal-burning battleships was authorized, including the conversion to oil burners, it was decided that one collier could be spared, and the *Jason* was sent to the Asiatic Station to relieve the *Ajax* as tender to the aircraft squadrons.

The two naval transportation service oilers are used primarily, one in the Atlantic and one in the Pacific, for transporting fuel oil from production points to naval storages. Considerable saving in the appropriation for fuel and transportation is effected by this procedure, as we are enabled to take advantage of favorable contract prices. At the same time these vessels are of great military value. At times of assemblage of the fleet for joint maneuvers or for extended cruising, such as the cruise to Australia, the services of the *Ramapo* and *Sapelo* are required with the fleet. During a stay of the fleet in home waters it is necessary to utilize the fleet oilers to assist in filling the storages.

One transport, the *Chaumont*, is engaged in the trans-Pacific service and is operated at capacity. The other, the *Henderson*, is used for carrying expeditionary forces during maneuvers, in the West Indian service, and for use in transporting naval personnel and general cargo from coast to coast.

The ammunition ship has been kept busy in transporting ammunition and ordnance equipment from coast to coast and to the fleet. This vessel is operated continuously at maximum capacity.

The two large cargo vessels, the *Sirius* and *Vega*, operate from coast to coast, carrying guns between the Gun Factory at Washington and Puget Sound, where the vessels of the Battle Fleet are regunned from time to time. In addition these vessels carry naval freight of all descriptions and are especially valuable in transporting heavy weights and large pieces, such as gun mounts, boilers,

etc., for which an extremely high freight rate must be paid commercially, and for which frequently no commercial transportation could be obtained. These vessels are always loaded to capacity on their westward sailings and carry considerable cargo eastbound. In addition they carry officers and enlisted men for whom otherwise commercial transportation would have to be paid. The small cargo vessel, the *Kittery*, is occupied in keeping the isolated West Indian stations supplied. Commercial transportation for personnel to these ports is poor and irregular. Also considerable quantities of explosives and inflammables are required, on which a very high freight rate would be charged if shipped commercially.

Due to the withdrawal of the marines from Santo Domingo and the reduction of the force in Haiti, the transportation requirements of the West Indian ports have been considerably reduced. It was therefore decided, as a measure of economy, to withdraw the *Beaufort* from the West Indian service and place that vessel out of commission.

It was found necessary to send a naval cargo and passenger vessel to Alaska during the past summer, and the *Vega* was assigned to make the voyage. It had been intended to use commercial transportation this year, but the requirements of other branches of the Government, especially the Bureau of Fisheries, are of such a peculiar nature, and commercial transportation is so unsatisfactory and inadequate, that at the request of the chief coordinator of the Bureau of the Budget the Navy furnished the necessary transportation.

The *Vega* made the contemplated voyage to Alaska during the summer of 1925, and apparently handled the passenger and freight requirements of the Bering Sea ports very satisfactorily, showing an actual money saving to the Federal Treasury of about $15,000.

All together, the naval transportation service is filling a very important and necessary part in the naval organization. These vessels are not only a necessary adjunct to the fleet and the shore establishments but they pay their own way. A skeleton organization is thus maintained which, in time of national emergency, can be expanded more quickly and efficiently than a whole new organization could be built up. Officers and men are given experience in a little known branch of naval activity, and such experience will prove invaluable in time of rapid expansion.

FLEET TRAINING—TACTICS

During the year progressive tactical exercises were carried out in the various units of the United States Fleet. In addition, two problems were carried out by the United States Fleet, the latter being in conjunction with the naval and military forces at Hawaii. These

exercises have been of decided benefit, and much interest has been shown in tactical and strategical maneuvers.

The Asiatic Fleet has progressed in both tactical and strategical training for its special employment.

MATERIAL CONDITION OF THE FLEET.

GENERAL

On account of the expense involved, the material work on the vessels of the fleet has been confined chiefly to repairs, and it has been necessary to limit the authorized alterations and improvements to be undertaken on any ship to those for which special allotments of funds were made. As a general result the material condition of ships in and out of commission, as a whole, has been somewhat improved, but many alterations of military value are held in abeyance.

Naval science constantly demands improvements, and the department will make such improvements as rapidly as appropriations therefor permit.

BATTLESHIPS

During the year the *Utah*, *Wyoming*, *Arkansas*, *New York*, and *Texas* have received overhauls at yards on the east coast; the *Nevada*, *Arizona*, *New Mexico*, *Mississippi*, *Idaho*, *Maryland*, *Pennsylvania*, *Colorado*, *Oklahoma*, and *California* at Puget Sound. The *Tennessee* was given a partial overhaul by the repair ship and forces afloat. The *Colorado* and *West Virginia* have joined the Battle Fleet. The modernization of the six coal-burning battleships has been authorized and work has begun on the *Florida*, *Arkansas*, and *Texas*. Engineering alterations under special appropriation and other alterations to improve the military efficiency have been and will be accomplished as funds permit.

CRUISERS

The work on the cruisers has not been as extensive as on the first-line ships. Work of reboilering the *Seattle* has been completed. The *Rochester* is operating under natural draft only. New blowers are available when allowance of funds therefor permits of their installation.

The *Memphis* was completed during the current year. Alterations to improve living conditions were made on the *Raleigh*, *Detroit*, *Trenton*, and *Memphis*. The *Raleigh* and *Detroit*, due to defective turbines, have not yet become reliable units of the fleet. The contractors and the Bureau of Engineering are conducting investigations and test with a view to correcting these defects. Work will begin on the *Raleigh* about December 1, to be followed by the *Detroit*.

GUNBOATS

Gunboats have received routine overhauls and are in good condition except the *Pampanga*, now assigned to the South China patrol of the Asiatic Fleet. The hull of the *Pampanga* is in poor condition, due to the age of that vessel.

DESTROYERS

The destroyers in commission in United States waters have received their annual two months' overhaul in accordance with the recommendation of the commander in chief, United States Fleet.

During these overhauls these ships have received urgent repairs and such authorized alterations as the remaining funds apportioned for such overhaul permitted.

The policy of repairing ships assigned to foreign stations in our own navy yards has been continued. Pursuant to this policy Divisions 39 and 27, ordered to Asia and Europe, respectively, were overhauled during the fiscal year. Upon being relieved on the Asiatic station in June by Division 39, Division 38 is returning to the Atlantic after being on foreign station since early in 1920. This division is to have the latest fire-control system installed in furtherance of this project on all destroyers in commission.

The reports from the Asiatic Fleet indicate that the material upkeep of destroyers assigned to that fleet has been satisfactorily maintained by the navy yard, Cavite, and the destroyer tender *Black Hawk*.

The *Hazelwood*, at Mare Island, and the *Allen*, at Philadelphia, are being overhauled for placing in service with the Naval Reserve Force.

DESTROYERS (DECOMMISSIONED)

The care and preservation of the decommissioned destroyers at San Diego and Philadelphia has been satisfactorily maintained. In addition to this maintenance, progress in their overhaul and repair has been made at San Diego by the personnel of the tender *Rigel* and the men on general detail assigned to that ship. At Philadelphia, where an enlisted personnel is not available for the purpose, little headway has been made in overhaul and repair because of scarcity of funds.

The project of the segregation, repair, and completion of emergency commissioning outfits for the decommissioned destroyers at Philadelphia has been delayed by the lack of funds applicable to such work, but progress is now being made on those groups to be first commissioned.

The repair and outfitting of the 20 destroyers transferred to the Coast Guard in pursuance of the act of Congress approved April 21, 1924, was completed June 30.

AIRCRAFT TENDERS

On account of the lack of accommodations for the commissioned personnel on the *Langley* the mine layer *Aroostook* has been retained with the aircraft squadrons, Battle Fleet, until a more suitable flagship and tender is available.

On account of the poor material condition of the *Ajax*, aircraft tender of the Asiatic Fleet, it was decided to transfer the collier *Jason* to the Asiatic Station to relieve the *Ajax*. The *Jason* proceeded from Hawaii in May. After being relieved the *Ajax* will be decommissioned and sold in accordance with the recommendation of the Board of Inspection and Survey.

TRAIN SHIPS

The hospital ship *Mercy* was placed in a reserve status at the navy yard, Philadelphia, on December 1, 1924. This vessel has been temporarily placed in full commission and is now operating with the Scouting Fleet in southern waters.

The submarine tender *Rainbow* returned from the Asiatic station on December 31, 1924, with Submarine Divisions 12 and 18. Special equipment was transferred to the *Argonne* at the navy yard, Mare Island, and the *Rainbow* proceeded to the navy yard, Philadelphia. After inspection by the Board of Inspection and Survey, the *Rainbow* was decommissioned.

NAVAL RESERVE SHIPS

The *Illinois* was completed at the navy yard, New York, on December 15, 1924, as a floating armory for the use of the Naval Reserve (Naval Militia), State of New York. The general material condition of ships assigned to the training of the Naval Reserve Force is good. All of these ships were made available during the year for necessary repairs and alterations.

COMMUNICATIONS.

The naval communication service is maintained to provide communication within the Naval Establishment both afloat and ashore. It has cognizance over all methods of communication in vessels of the fleet, including radio, visual, sound, and carrier pigeons. It also has cognizance over an extensive radio system ashore maintained primarily to provide service to the fleet. In addition, it prepares and issues all publications pertaining to codes; it distributes to the

service and accounts for all confidential publications issued by the various bureaus. The shore system consists in general of the following stations: 9 high-power stations, 23 medium-power stations, 58 low-power stations, and 57 radiocompass stations.

FLEET COMMUNICATIONS

Communications in the fleet have shown noteworthy progress over results of last year. Though funds allocated thereto have permitted but few improvements in material, progress has been due to greater and more satisfactory results obtained by operating personnel, both commissioned and enlisted, with the old and sometimes obsolete material. Radio communication, particularly in submarines and aircraft, has improved. Radio and visual signaling competitions in the fleet have benefited fleet communications and have had a certain bearing on improvement in sound signaling.

SHORE COMMUNICATIONS

The radio traffic stations of the shore communication system are gradually improving. The obsolete spark apparatus and the obsolescent low-powered arcs are gradually being replaced with modern tube equipment as rapidly as funds become available. However, as with the fleet, improvement at shore stations has been due largely to better results being obtained by the operating personnel with the old material.

HIGH-FREQUENCY CIRCUITS

The outstanding progress made during the past year has been the development of high-frequency circuits and the handling of considerable traffic by that means. The increase in traffic handled by high frequency during the last half of the year has been phenomenal. Almost every naval station and a large number of naval vessels, including some assigned to the Naval Reserve, have constructed high-frequency sets which have been used advantageously in procuring data and conducting tests in high-frequency communication.

The interest of the American Radio Relay League has been enlisted in naval high-frequency work. An official of the league, in the Naval Reserve, was placed on active duty and detailed to the fleet to conduct extensive high-frequency tests afloat during the recent Hawaiian maneuvers and cruise to Australia and New Zealand. These tests are now in progress and have already given valuable results and large amounts of traffic have been moved by means of this apparatus.

Regular traffic has been exchanged on high frequencies between Washington, D. C.; Balboa, Canal Zone; San Francisco, Calif.;

San Diego, Calif.; Honolulu, Hawaii; Tutuila, Samoa; and the United States Fleet. Although the work has been experimental and is as yet by no means fully reliable, it has already effected a considerable saving in power. In addition to this, traffic has been moved on high frequencies at times when, owing to static conditions, it was impossible to use the normal frequencies, thus effecting savings on land-line tolls.

The fleet flagship, while in Australia, New Zealand, and en route home, frequently established direct two-way communication with the Naval Research Laboratory at Bellevue, D. C. An appreciable amount of traffic has been received from the fleet in this manner. The fleet has, however, cleared the bulk of its United States traffic by high frequency direct to Pearl Harbor and by normal frequencies to Tutuila. This was because the traffic was so heavy that it was necessary to clear it in the most expeditious manner, utilizing several channels.

Communication with the MacMillan Arctic expedition was very successfully maintained by Great Lakes on high frequency and by broadcasting on high frequency from Washington (Bellevue Laboratory).

COMMUNICATIONS FOR OTHER GOVERNMENT DEPARTMENTS

Besides handling naval communications, the naval communication service also handles free of charge a considerable volume of communications for other Government departments. Commercial traffic is also handled when permitted by law. During the past fiscal year the communication office in the Navy Department alone handled a total of 11,856,046 words, of which 3,072,639 words were traffic for other Government departments.

During the last fiscal year the shore stations of the naval communication service have handled 77,828,369 words of actual traffic (not including the work of radiocompass stations). Of this, 21,384,392 words were handled for other departments or agencies of the Government, 4,055,815 words were commercial traffic, and 2,533,702 words were commercial press.

TRAFFIC AGREEMENTS

In anticipation of the discontinuance of cable service to the Virgin Islands, on April 1, 1925, a radio circuit was established by the naval radio stations, San Juan, P. R., and Charleston, S. C., for the handling of commercial dispatches between the Virgin Islands, the United States, and Canada. However, due to the fact that the West India & Panama Telegraph Co. desired to continue cable service to the Virgin Islands, this circuit was temporarily suspended on May 2, 1925, until further notice.

On April 9 a traffic agreement was made with Venezuela to go into effect May 1, 1925, providing for a radio circuit between the naval radio station at San Juan and the Venezuelan radio station at Caracas for handling Government and commercial dispatches. It was temporarily suspended on June 23, 1925, due to urgent repairs to Caracas station.

On June 15, 1925, a radio circuit was inaugurated between the naval radio station, Tutuila, Samoa, and the French radio station at Papeete, Tahiti, for the handling of Government and commercial messages.

Agreements have been entered into between the naval communication service and the Tropical Radio Telegraph Co. for handling Government and commercial traffic between Navy ships at sea and points in Panama and Nicaragua. This traffic is routed via the naval radio station at Balboa and the Tropical Radio Telegraph stations at Managua and Bluefields.

On July 16, 1925, the radio circuit between the naval communication system and Malabar, Dutch East Indies, was discontinued by the Navy and taken over by the Radio Corporation of America.

MISCELLANEOUS RADIO ACTIVITIES

Radio-compass.—During the fiscal year the naval communication service continued its free radio-compass service to all mariners. A total of 64,497 vessels (5,765 naval and 58,723 merchant) were furnished with 137,592 bearings. The number of vessels furnished this service shows an increase of 4 per cent over last year. The accuracy attained by radio-compass installations on board ships has been increased during the year, although they can not yet be said to be entirely satisfactory.

Hydrographic.—Weather bulletins were broadcast from two to six times daily from 30 naval radio stations; hydrographic bulletins were broadcast daily from 20 stations.

Time.—During the year time signals were broadcast twice daily from 7 high-power radio stations and from 10 medium-power radio stations. The special time signal operated for the Australian Government was continued .

Press.—Press news was broadcast daily from seven naval radio stations.

THE NAVAL WAR COLLEGE.

There were graduated at the Naval War College during the past year 4 Army officers, 59 naval officers, and 8 marine officers. The group of naval officers was composed of representatives of the line and of each staff corps. All Army officers were in the senior class,

while the naval and marine officers were divided into a senior class and a junior class, 49 being in the senior class and 22 in the junior class.

In addition to accomplishing its primary mission of training officers for high command, the college carries out other important work. Some of this work may be noted as follows:

(*a*) It tests the strategic policies of the department by making them the basis for problems which are worked out and played on the game board.

(*b*) It promotes tactical progress of the various arms of the Navy.

(*c*) Common study of various problems by members of the Army, Marine Corps, and officers from all branches of the Navy insures a closer cooperation not only between the different services—the Army, Navy, and Marine Corps—but also between the various branches of the Navy. This cooperation is further carried out by the presence of Army and Marine Corps officers on the staff of the Naval War College, naval officers on the staff of the Army War College, and the attendance of Navy and marine officers at the Army War College. It is the policy, approved by both the Navy and Coast Guard, to have two Coast Guard officers attending the college; but a shortage of officer personnel in the Coast Guard, with the increased demand on this personnel, prevented the attendance of these officers during the past fiscal year.

(*d*) The officers of the junior class receive training which fits them for duty on the staffs of the commanders of fleets or other important units.

Close liaison between the Naval War College and the fleet is maintained at all times, so that each may be benefited by the results accomplished by the other.

PERSONNEL.

OFFICER PERSONNEL

Except for a serious shortage of line officers, the number of commissioned officers now in the Navy is adequate to meet the peace time requirements of the fleet and the shore establishment.

The existing authorized strength of line officers in the judgment of the department represents a minimum figure for adequate peace time preparation. The present authorized number is 5,499 and the number now in service is 4,945. The average yearly requests made upon the department for Naval Academy graduates to enter the special branches are as follows:

Marine Corps	25	Construction Corps	8
Supply Corps	8	Civil Engineer Corps	4

Under the limitation of appointments to the Naval Academy, contained in the appropriation bill, of three to each Representative and Senator instead of five as authorized by general law, the authorized number of officers in the line will not be attained, and the maximum number that can be expected to be permanently maintained is 4,800 instead of 5,499 as authorized by law.

The Naval Academy is designed to operate with 2,500 midshipmen, and it is desirable that its resources be used to full capacity. In 1926 and in 1927 the usual large classes will be graduated by the United States Naval Academy but owing to the limitation imposed by the appropriation bill of 1924 and 1925 the class of 1928 will be a small class and classes thereafter will not average more than 260 graduates if that policy is continued. It is plain, therefore, that all the foregoing demands for officer personnel have not been met and can not be met in the future unless the present restriction on the number of appointments to the Naval Academy is removed. The requirements for postgraduate work are as follows:

Ordnance postgraduate	8
Engineering	73
Aviation School	150 to 200
Submarine school	75
War College (seniors and juniors)	75
Total	381 to 431

Intensive training of all officers is being conducted in the fleet, with the purpose of preparing them to assume the duties of positions of higher responsibility which they must immediately occupy in the event of the fleet being mobilized, and some progress has been made on plans to train in peace time the abundant and excellent naval officer material to be found in the colleges and elsewhere throughout the country.

Because there has been no very great change in the size of the operating force of the Navy in the last three years the demands for officers in the various branches has become a steady rather than a variable draft on the department.

The limit placed on appropriations for officer personnel has compelled a very careful study of the minimum number of officers required for each branch of the service. As a result a departmental order was issued which fixed the average number of officers to be paid in each of the various branches for the fiscal year 1927.

The department is in thorough sympathy with a point of view which has grown out of the complication of mechanical devices and which insists upon specialization to a very considerable extent. However, it is firmly convinced that the basic ground work for all naval officers is a general operating knowledge, upon which may be imposed with excellent results a specialized education.

Aviation personnel under the conditions of rapid expansion which have been experienced in the last few years presents a problem now under consideration by a special board appointed by the Secretary. This problem presents difficulties similar to those the department has already met and solved in the upbuilding of the destroyer and

submarine forces. The problem consists, first, in building up the aviation force so that it can handle adequately the increased equipment which will be added to the fleet when the *Saratoga* and *Lexington* are commissioned in 1926; and, second, in providing for the return at definite intervals to general line duty of a considerably larger per cent of officer pilots than is now the practice, replacing them with younger officers from the aviation training stations.

TABLE No. 1.—*Showing officer personnel on active duty as of June 30, 1925*

Line	4,941	Construction Corps	235
Medical Corps	832	Civil Engineer Corps	101
Dental Corps	159	Chief warrant	992
Supply Corps	577	Warrant	458
Chaplain Corps	87		
Corps of Mathematics	7	Total	8,389

TABLE No. 2.—*Showing the number of retirements, resignations, dismissals, and deaths during the fiscal year ending June 30, 1925*

	Retirements	Resignations	Discharges or dismissals	Deaths	Total
Line	75	133	4	31	243
Staff	24	28	4	5	61
Chief warrant	12	6	3	6	27
Warrant	4	14	7	2	27
Total	115	181	18	44	358

ENLISTED PERSONNEL

The appropriation for pay of the Navy permitted the enlisted strength to be maintained at 86,000 as intended by Congress until the last three months of the fiscal year 1925 when it became evident that unless that number were reduced a grave danger of overexpenditure would exist. Accordingly, recruiting was suspended and the enlisted strength allowed to decrease to 84,289 on June 30, 1925. The same appropriation for pay of the Navy having been made for 1926 as 1925, it is evident that a more serious shortage of funds appropriated for pay of the Navy faces the department for the present fiscal year, and as a result it has become necessary to reduce the average strength for the first several months to 82,000. The policy to be adopted during the second half of the present fiscal year will depend upon the funds remaining available during that period.

Except for the fact that the strength of 86,000 could not be maintained during the last few months, the enlisted personnel situation during the year has been uniformly excellent. The high reenlistment figure of 72 per cent has been maintained and preventable losses have been considerably reduced.

PETTY OFFICERS

A shortage of petty officers exists, but it is confined to only a few of the specialized mechanical ratings, corresponding to those trades in civil life where a brisk demand for skilled labor exists. Service schools are being maintained for the purpose of meeting this situation.

DESERTIONS

The number of men lost to the service through desertion has been remarkably reduced. In 1923 and 1924 this element of personnel losses was larger than that from any other cause; in 1925 it has been subordinated to fifth place, with but a net loss of 991 men as compared with 3,161 in 1924.

The Navy Department, at the request of the Secretary of the Treasury, undertook to assist in the recruiting and training of the new men required by the recent expansion in the Coast Guard. During the year 800 Coast Guard men were given the same course of recruit training on shore as is given newly enlisted men of the Regular Navy.

TRAINING

The training division, Bureau of Navigation, supervises the training, education, and recreation of the officers and men of the Navy and the Naval Reserve except that received at the Naval Academy and Naval War College.

OFFICERS—POSTGRADUATE EDUCATION

During the fiscal year the following number of officers commenced postgraduate courses in subjects indicated:

Mechanical engineering	18	Diesel engines	8
Communication engineering	10	Naval construction	9
Electrical engineering	10	Civil engineering	2
Aeronautical engineering	4	Ordnance	8

These officers will attend a specially arranged course of one year at the naval postgraduate school, Naval Academy, and then go to either the Massachusetts Institute of Technology, Harvard University, Yale University, Columbia University, University of Chicago, University of Wisconsin, or the Rensselaer Polytechnic Institute for one or two years to complete their technical training. Candidates for these courses are especially chosen from the younger officers who have manifested interest and ability in the technical branches. Upon these officers the Navy will rely for its future technicists, and in providing them this unusual opportunity to carry on advanced studies the Navy is following the same practice as the most pro-

gressive engineering corporations, who now realize the necessity of affording their specialists postgraduate instruction, in order to encourage these specialists to keep abreast of progress in scientific development and research.

NAVAL RESERVE OFFICERS' TRAINING CORPS

The Sixty-eighth Congress authorized the establishment of Reserve Officers' Training Corps units. Graduates of the Reserve Officers' Training Corps will furnish well-trained ensigns for the Naval Reserve, who will be qualified for service as junior officers of combatant vessels. The Sixty-eighth Congress provided for a maximum of 1,200 students of the training corps at one time for both the Navy and Marine Corps; but it is hoped this number may be increased to meet the large demand for officers in case of war, for which demand there is now no adequate provision. Officers, due to the very special character of their duties, must be fully trained before the beginning of war.

TRAINING OF ENLISTED MEN

The training of recruits at naval training stations has continued to follow well-tested and long-established methods. Eight weeks is the normal period of training at training stations, during which time emphasis is placed on training the recruit (1) to properly care for his person and outfit, (2) at infantry and artillery drills, (3) to pull an oar, (4) to swim. With this training the recruit is ready to take his place on shipboard, where he receives the remainder of his training afloat.

SERVICE SCHOOLS—ENLISTED MEN

Service schools were in operation during some part of the fiscal year as follows:

1. Radio operators.
2. Radio material.
3. Aerological.
4. Sound.
5. Optical.
6. Naval Academy preparatory.
7. Machinists' mate.
8. Electrical.
9. Gyro electricians.
10. Aviation mechanic.
11. Coppersmith.
12. Fire control.
13. Hospital Corps.
14. Blacksmith.
15. Musician.
16. Bugler.
17. Pharmacists' mate.
18. Submarine.
19. Torpedo man.
20. Fuel oil.
21. Boiler maker.

On June 30, 1925, 1,502 men were under training at these service schools.

TRAINING COURSES—ENLISTED MEN

The service schools will never be numerous enough to meet the demands of the Navy for trained men or to satisfy the ambitious men in the Navy seeking to qualify either for advancement in the service or for a better position in civil life after discharge. To supplement these service schools, training courses especially designed to prepare men for advancement are issued to the service, for use by men unable to attend the service schools. These courses are very similar to those employed in the extension service of various universities and by correspondence schools, but the enlisted men taking these courses have the additional benefit of assistance from trained officers and petty officers, who advise them concerning the courses and grade the papers submitted. This local and individual instruction adds tremendously to the value of these training courses.

RATING COURSES

To prepare a man for advancement in the Navy, the following courses are provided, viz:

Hospital apprentice, first class, to pharmacist's mate, third class.
Pharmacist's mate, third class, to pharmacist's mate, second class.
Pharmacist's mate, second class to pharmacist's mate, first class, and chief.
Gunner's mate, third class, to gunner's mate, second class.
Gunner's mate, second class, to gunner's mate, first class, and turret captain, first class.
Radioman, third class, to radioman, second class (assignments 1 to 12 only).
Untrained man to seaman signalman, third class.
Seaman signalman, third class, to seaman signalman, second class.

GENERAL TECHNICAL COURSES

To prepare a man for the service or for civil life, the following courses are provided, viz:

Compasses and piloting.
Navy gasoline engine.
Condensers.
Office procedure, Part III.

When these are delivered by the Government Printing Office, there will be available 97 courses; to meet the needs of the Navy and to adequately supplement the work of the service schools 150 additional courses are required. Of these, 11 are ready for printing and 22 are being prepared. It is difficult to see where money can be spent to greater advantage to the enlisted personnel of the Navy.

ENLISTED MEN ENTERING THE NAVAL ACADEMY

Congress has provided 100 annual appointments to the Naval Academy for enlisted men of the Navy. The training division

cooperated with commanding officers in preparing enlisted men to enter the Naval Academy. It is gratifying to report that during the past year 99 enlisted men so prepared passed the entrance examination and are now in the Naval Academy. This system of sending deserving enlisted men to the Naval Academy opens the way for ambitious enlisted men to reach the highest rank in the Navy without lowering the standards hitherto maintained. In sending 99 enlisted men to the Naval Academy, the hope expressed in my last annual report that 100 enlisted men would enter the Naval Academy was almost realized. In addition to helping the individuals sent to the Naval Academy the fact that enlisted men have a ladder by which they can attain commissioned rank is bound to improve the quality of the recruit offering himself for naval service.

LIBRARIES

There are approximately 401,020 books in libraries afloat and ashore, five-eighths of which are on board ships. The use of these books varies with the location of the ship and station, and with the available opportunities for recreation. The average circulation per capita for the fiscal year was 10.5; a total of 1,067,000 volumes were in circulation. The Bureau of Navigation, in conjunction with the Bureau of Supplies and Accounts, has recently inaugurated a new accounting system for books of fiction on vessels such as destroyers and submarines, in order to facilitate the exchange of these books between ships of the same class, thus making the same number of books serve a large number of men at no increased cost and at the same time affording larger variety of books to the individual seaman.

TRANSPORTATION AND RECRUITING.

The year has shown a saving of expenditures for transportation under the appropriation "Transportation and recruiting" due to cooperation, close supervision and anticipation of transfers, and to the use of Government facilities wherever practicable. There is, however, a limit to the economy resulting from the use of Government transportation where the number of transports operated is limited, because the services of numbers of men are lost for a considerable period due to the time consumed awaiting the infrequent sailings. If funds were available for trans-Pacific commercial transportation, the department would thereby benefit in respect to availability of manpower for duty, as there would be some 60 sailings a year instead of 3 to 4 sailings and men would not be kept for any considerable length of time on the receiving ships at San Francisco and Cavite awaiting passage.

The quality of recruits has been kept high by continued selection, by requiring references from former employer or school teacher, and by very minute physical examination.

During 1925 the identification section, Bureau of Navigation, handled the records of 35,951 men and cooperated with other departments and State and municipal authorities, in detection of offenders and identification of individuals. This section also handled 334,533 applications of World War veterans applying for adjusted compensation.

NAVAL RESERVE.

Under the provisions of the act of February 28, 1925, the Naval Reserve Force went out of existence on July 1 of this year, and the Naval Reserve came into being; all the members of the old Naval Reserve Force were transferred to the new Naval Reserve. A complete reorganization was then effected in accordance with regulations prepared after the passage of the act. A definite mission was assigned to each of the three classes of the Naval Reserve and plans of organization then laid down in the manner calculated to best accomplish this mission.

FLEET NAVAL RESERVE

The mission of the fleet naval reserve is to create and mobilize trained organizations for service on board vessels of the United States fleet and naval transportation service in the theater of operations. Accordingly, the fleet naval reserve, has been organized into divisions and battalions and each division assigned a definite vessel by name for which it is to furnish a definite number of officers and men immediately in the event of war or national emergency, and further, each officer and man is assigned to a definite billet on board this vessel. Officers and men of the aviation branch of the fleet Naval Reserve are likewise organized into aviation divisions and squadrons, each division and squadron being assigned a definite number of planes of certain types at certain mobilization centers, which they are to man and operate. Those enlisted men of the fleet naval reserve transferred direct thereto after 16 and 20 years' naval service, are not required to drill and are not attached to divisions, but are under the general administration of the commandants of the various naval districts.

MERCHANT MARINE NAVAL RESERVE

The mission of the merchant marine naval reserve is to create and train organizations on board seagoing vessels of the merchant marine for service on board their own vessels when commissioned by the Navy in the event of war. The vessels on which these organizations are to be formed are first designated by the department as suitable for service as naval auxiliaries; and then with the consent of the owners or operators and the cooperation of the

officers, the organization of the particular vessel concerned is proceeded with. Until such time as funds are made available for the specific purpose of a merchant marine naval reserve, as required by the act, much progress in this direction is hardly to be expected.

VOLUNTEER NAVAL RESERVE

The mission of the volunteer naval reserve is to provide additional personnel for general service, usually in the United States fleet and naval transportation service, and other personnel for special service, usually on shore, as required by the war organization. Accordingly the volunteer naval reserve is divided into two general classes:

(*a*) Those who are professionally and physically qualified for general naval duties both afloat and ashore. These are generally associated with the division of the fleet reserve both for training and mobilization purposes; and

(*b*) Those who are qualified to perform certain special duties, generally of a technicist nature. These are under the general administration of the commandants of the various naval districts and are assigned definite duties to perform in the event of war or national emergency.

TRAINING—RESERVES

The training at armories and afloat is conducted primarily to meet the needs of the fleet naval reserve, this being the only class that is required by law to perform drills and make training cruises. Armory drills have been going forward throughout the country, as have also the training cruises, both before and since the reorganization. A uniform syllabus of instruction has been adopted for all armories. As far as practicable vessels of the fleet were made available during the year for giving the reservists their training afloat; a limited number of officers were accommodated during the fleet maneuvers off Hawaii last spring; and on the east coast it was possible to detail some half a dozen destroyers to the exclusive duty of training reservists during the summer months; the majority of the reservists, however, cruised on the vessels regularly assigned them. Full caliber short-range battle practice was engaged in on most of these cruises. The training of reservists in aviation has continued satisfactorily with the means available. Young men of officer caliber without previous knowledge of flying have been given courses of instruction involving flying, at the various naval reserve aviation stations, with advanced courses at the regular Navy air stations, with the result that 34 of these have qualified for commissions in the Naval Reserve during the past year and qualified as naval aviators. Of the qualified naval aviators already in the re-

serve, approximately 160 performed flying duty during the year. The class of Naval Reserve midshipmen enrolled and under instruction at one of our colleges was sent with the Naval Academy midshipmen on their practice cruise this summer, with gratifying results. It is expected to continue this training in a very modest way until such time as funds are available for regularly organizing a Naval Reserve Officers' Training Corps authorized by the last Congress.

HYDROGRAPHIC OFFICE.

The Hydrographic Office has continued to perform its major mission of supplying necessary charts, Sailing Directions, Notices to Mariners, manuals, and tables to vessels of the Navy. It has also performed its minor mission of similar supply to the merchant marine, and in this its control of the iceberg situation, through information supplied by the patrol vessels of the Coast Guard, has been important. Methods and output have been improved and compliments from foreign sources have been received.

HYDROGRAPHIC SURVEYS

The *Hannibal*, *Nokomis*, and *Niagara* have each had another season in surveying the Gulf of Mexico-Caribbean region. Other vessels of the Navy, particularly those equipped with the Sonic depth finder, have added to the information available to mariners and scientists.

NEW BRANCH HYDROGRAPHIC OFFICES

The increased value of branch hydrographic offices to the Government and to mariners warrants the establishment of new branch offices at Los Angeles, Calif., and at Honolulu, Hawaii.

NAVAL OBSERVATORY.

The Naval Observatory, in its regular routine activities, has continued its work in supplying the Navy and the country in general with astronomical data, such as the American Ephemeris and Nautical Almanac, and "time service," essential to navigators, surveyors, astronomers, and certain other scientists, the railroads, and other commercial activities which depend on accurate positions of celestial bodies and on exact time.

Besides the regular time service at noon and 10 p. m., special signals were sent at 3 a. m. throughout the summer of 1924, and at 3 a. m. and 6 a. m. (San Diego) 1925, for the United States Coast and Geodetic Survey parties in Alaska, the Aleutian Islands, and for the Canadian Government. Three departments of the latter used the signals in longitude determinations of various stations, one of which was relocated 15 miles from its previous map position. Without these signals accurate determination of longitudes would not be pos-

sible. Our time service is considered the best and most used in the world.

The Naval Observatory has continued the development, supply, and repair of all navigational and surveying instruments used by the Navy. This includes gyro compasses for surface, submarine, and air craft, those compasses being essential for accurate gunnery as well as for navigation. The "nautical instrument repair shop" continues its service of efficient and economical repairs to nautical instruments as well as to astronomical instruments at the observatory.

There has been no change in the general plan for astronomical work as developed by the Astronomical Council. The superintendent and party from the observatory observed the total solar eclipse of January 24, 1925, from the U. S. S. *Los Angeles* very successfully. Plans for observing a similar eclipse in Sumatra January 14, 1926, have been perfected. In July, 1925, the superintendent attended the triennial meeting of the International Astronomical Union at Cambridge, England, as the delegate from the Navy Department. Over 200 astronomers attended from all parts of the world and much valuable information was obtained and plans for international cooperation in astronomical longitude and time-service matters were acted on.

During the year the new star catalogue, Positions and Proper Motions of 1,504 Standard Stars, Volume X, part 1, Astronomical Papers of the American Ephemeris, was printed. This filled a long-felt need by astronomers throughout the world.

ORDNANCE ACTIVITIES.

The manufacture of ordnance equipment for vessels now being constructed has progressed favorably and this equipment will be delivered in time for installation before the completion of the vessels.

Extensive experiments have been carried on at the Naval Gun Factory in connection with rust-preventing compounds. As a result of this experimental work a substance has been selected for rust prevention which has proved itself to be far superior to the materials formerly used for this purpose.

A new type of catapult for airplanes, mentioned in the last annual report, has been issued to the service, and reports indicate that this catapult is successful in operation and a great improvement over any installation previously supplied to the Navy.

ORDNANCE EQUIPMENT FOR COAST GUARD

The Bureau of Ordnance has continued to supply equipment to the Coast Guard when available and to advise the Coast Guard on technical matters relating to ordnance, in order that there may be no duplication of effort between the two services. Very recently,

ten 3-inch guns, which had been supplied by the Navy Department to the Coast Guard for installation on new vessels to be used in connection with prohibition enforcement, were partially destroyed in a fire at Bay City, Mich. This equipment was fully covered by insurance, and negotiations are now under way with the underwriters with a view to reconditioning this equipment.

AIRPLANE FLOAT LIGHTS

A number of airplane float lights, a new development mentioned in the last annual report, have been manufactured and used in service. These float lights have been used not only by Navy aircraft but also by Army aircraft, and, in particular, by the MacMillan Arctic Expedition. A number of them were manufactured and shipped for use in the west coast-Hawaiian flight. Reports received indicate their successful action and their great usefulness.

ANTIAIRCRAFT TARGETS

During the fiscal year the Bureau of Ordnance in cooperation with the Naval Aircraft Factory has been developing new targets to be towed by both heavier and lighter than air craft. While this work is still in the development state, sufficient success has been obtained to insure that larger and better targets can now be provided for use in connection with antiaircraft gunnery. The joint operations of the *Texas* and *Shenandoah* in July indicate that a large sleeve may now be towed by an airship, and, although the speed of towing is not as high as is to be wished for, this new target and method of towing will enable antiaircraft batteries to have a larger and better target for training purposes.

ENGINEERING.

GENERAL

The machinery of practically every vessel of the Navy is susceptible of considerable improvement, more or less expensive. Such improvements have been projected to an amount exceeding $40,000,000 and will be undertaken when funds are available. The present condition of the machinery of the fleet is satisfactory from the viewpoints of design, age, and material effectiveness, as judged from the fact that during the recent Hawaiian maneuvers of the entire fleet and the subsequent Australian-New Zealand cruise of the Battle Fleet no serious machinery casualties were reported on any class of combatant vessel. As the maneuvers were intended to simulate the instant availability required in time of war, it may reasonably be concluded that the machinery of the fleet is fit and ready in accordance with its design.

The foregoing condition is due to the policy of self-maintenance of the fleet and to the excellent support given by the command afloat. The worthiness of the engineering personnel has improved steadily. Supporting this basic policy, and assisting in its successful accomplishment, the expenditure of engineering funds for any purpose other than for the direct benefit of a vessel of the fleet has been restricted to the absolute minimum. The use of material already purchased has been encouraged, and funds have been provided to fleet commanders and to individual vessels for the installation of material by the forces afloat. It is worthy of note that each successive year shows an increased percentage of the total appropriation "Engineering" expended directly on vessels of the fleet, the percentage gradually increasing from 56.8 per cent in 1921 to 78.1 per cent in 1925.

Expenditures for the maintenance of shore stations have been inadequate. The equipment of these stations requires increasing expenditures in order that they may be able to perform their functions in naval maintenance. The navy yards, naval stations, and naval bases exist solely for the maintenance of the fleet and, in this sense, are highly valuable and essential military assets in the scheme of national defense. Besides building and repairing naval machinery, they perform a considerable amount of manufacturing of naval machinery, equipage, and engineering supplies. In addition, they largely assist in research, design, and testing of machinery and supplies.

The false doctrine that any military improvement, or that any improvement in the military value of a ship, should be accomplished irrespective of its cost has given place to the moral doctrine that it is the primary function of naval administration to furnish the maximum possible defense to the country for every dollar of expenditure. This change in generally accepted naval policy can be traced directly to the fundamental policy of economy. It is the opinion of the department that enforced economy has benefited the Navy by eliminating extravagance and waste; by developing thrift and thoroughness; and, in particular, by developing the skill, zeal, and character of the naval personnel.

It is pertinent to invite attention to the fact that all material wears out with use or becomes obsolete or inadequate for the purpose originally intended. Replacement of obsolescent material, including ships, is essential to the maintenance of a Navy.

ENGINEERING DEVELOPMENT

During the past four years much time and considerable money has been expended in searching out new designs of radio and sound

apparatus, in development of steam turbine material and of Diesel engines. A new gas engine has been designed for installation in motor boats and has been put into production. While the first cost of this engine is slightly more than the former bureau engine, there is every indication that it will be more reliable, more economical of fuel, require less overhaul, and have a very much longer life.

The majority of all of the specifications for engineering material have been rewritten, as a result of tests, to define the quality required, thus securing a higher grade of material at no greater cost than was previously available. In many cases, it was found possible to cancel Navy specifications for certain materials, it being found that the commercial grades were entirely suitable for use. In this way much material is being obtained at greatly reduced prices. It is interesting to note that a considerable number of Federal specifications for engineering material have been adopted from those prepared by the Navy Department and have proved successful in the fleet. Extensive tests of lubricating oils have for a number of years been carried on at the Navy engineering experiment station at Annapolis. As a result of these tests, standards have been established under which the Navy is obtaining lubricating oils at lower costs.

FLEET IMPROVEMENTS AND OPERATION OF MACHINERY

Improvements in the machinery of the fleet, together with systems of instruction regarding the operation, care, and repair of the machinery, which are based on the Manual of Engineering Instructions, and special instructions issued by the fleet commanders, have resulted in increased efficiency of operation and more miles steamed per breakdown.

STANDARDIZATION

One of the chief factors necessary to render this Nation ready in time of national emergency is the complete standardization of materials and methods wherever applicable. Industrial developments have progressed so rapidly within the last decade that various industries have been forced to develop standards of their own, and it is only recently that extensive steps have been taken by the manufacturers and by the Government to coordinate these various standards and specifications of related industries. The country as a whole is just awakening to the economic advantage of such standardization. There are several agencies within governmental control which are closely allied to those organized under the auspices of national engineering societies. Among these are the Federal Speci-

fications Board and the National Screw Thread Commission, the latter being established by act of Congress. The Navy Department is participating very extensively in their activities, and it is believed that the adoption of the standards promulgated by these bodies will be of inestimable value in the future.

RESEARCH

A high efficiency is demanded from naval machinery in that the greatest amount of power must be supplied with a minimum weight of installation and a maximum utilization of the fuel carried on the ship. In this respect the conditions are more severe than the ordinary requirements of commercial plants on shore. There is thus a steady demand for materials which will stand a greater loading with satisfactory reliability and as light in weight as can safely be incorporated in the design. Higher pressures and higher temperatures are constantly being advocated, which means that the metals must be subjected to stresses never before attempted. Before such new materials can be incorporated in the design of machinery a vast amount of research and experimental work must be performed. The Navy Department is constantly taking advantage of the facilities offered at the Navy engineering experiment station at Annapolis in the way of testing and developing engineering materials, and at the Navy fuel-oil-test plant at Philadelphia as regards boiler materials and fuel-oil burning apparatus, and recognizes the necessity of ample and well-directed research in the solution of the many engineering problems presented to it. There is no substitute for the activities of these two important naval plants for investigating, testing, developing, and research work in naval engineering. Their activities are directed by naval engineers who know from practical operation and experience afloat the needs of the service. The Navy engineering experiment station and the fuel-oil-test plant have greatly assisted in the selection of engineering materials, the furnishing of data for specifications, and the saving of funds incident to the failures of materials on test that probably would not have been discovered before installation. They have demonstrated their value to the Navy, and hence to the Government, many times over and above their cost of maintenance.

Wherever possible close cooperation is being had with the various research laboratories conducted by manufacturing organizations to the end that the Navy may obtain the benefits of such research. There is a movement under way at the present time to coordinate the research facilities of the entire Federal Government. The naval research laboratory has continued to render valuable assistance to the

Navy Department in its development and application of radio and sound apparatus, chief among which are the high-frequency sets, crystal-controlled sets, and special sound transmitters and receivers.

ELECTRIC DRIVE

The remarkable success demonstrated with the electric drive on the battleships has led to its adoption in the submarine, the first of which vessels has completed a series of exhaustive tests, and its operation has been successful. It is believed that this design of propulsion is the first to be adopted on any submarine in the world, and the trials of the first vessel so equipped have justified the expectations of the Navy Department. It is a step toward obtaining a more reliable, flexible, and economical submarine propulsion.

AVIATION.

Aircraft operating with the other coordinate arms of the fleet are vitally essential to modern naval operations. The development of naval aviation has progressed during the past year with satisfactory results in spite of many difficulties inherent in the refinement of a new art.

Naval aviation is a specialized problem. It involves not only the relatively simple problem of flight operations with aircraft, but also combined with this are the more complex problems of utilizing aircraft under the practical conditions of naval warfare. Planes must be used offensively and defensively in naval maneuvers a thousand or more miles from a land base. They must operate from surface ships and must be closely coordinated with the plans and maneuvers of the fleet organization.

The provision for offensive and defensive use of aircraft along these lines involves problems of stowage, servicing, and repair on surface ships—mechanical details of performance and reliability in operations over water; and above all thorough training of personnel both in the air and on the surface to the end that the fleet may function as a cohesive unit.

The Navy has made every effort to standardize on types of aircraft which are best suited to the needs of the naval service. Planes have been developed and are now in service with the fleet which combine the functions of scouting, bombing, and torpedo launching. Other types have been developed and are in use for observation and spotting service to the battleships and cruisers. Fighting planes will be provided with special reference to the equipment of airplane carriers.

FLEET MANEUVERS

Practical training in the tactical use of aircraft in naval operations was afforded by the maneuvers held this year and centering

around the Hawaiian Islands. In these operations naval aviation was given an important rôle. Naval aircraft in the Scouting Fleet and those attached to the naval air station, Pearl Harbor, with other forces of the Army and Navy assigned to the defense of the Hawaiian Islands, carried out extensive scouting operations against the attacking fleet. A total of 130 naval aircraft were engaged in these maneuvers, representing an increase of approximately 20 per cent over the available air strength of the fleet in the previous year. The aircraft attached to the fleet, including those carried on the airplane carrier *Langley*, operated with the surface ships in the attack on the island defenses. The combined operations of aircraft, submarines, and surface vessels again proved the value of each type and demonstrated the interdependence of these three arms of the Navy. The increased power that is given to a naval force when these three arms have been properly developed and are acting together was clearly proved. The operations of the carrier *Langley* in the fleet maneuvers demonstrated the value of this type and served to emphasize the need of first-line aircraft carriers in major fleet operations.

AVIATION INSTRUCTION AT NAVAL ACADEMY

On May 5, 1925, approval was given by the Navy Department to the following measures concerning the establishment of an aviation course for ground and flight training at the Naval Academy:

(*a*) The study of aeronautics to constitute an integral part of the Naval Academy course. To this end the Department of Engineering will become the Department of Engineering and Aeronautics and the Department of Seamanship the Department of Seamanship and Flight Tactics.

(*b*) That all graduates be given, in addition to the courses of the regular curriculum in the Department of Engineering and Aeronautics and the Department of Seamanship and Flight Tactics, three months' special intensive instruction in ground and flight work, so that all graduates according to their physical qualifications may become qualified either as naval observers or naval aviators.

(*c*) To complete the flight work necessary to qualify each graduate as a naval observer or naval aviator during the first two years after graduation, which period is classed as the instructional period of junior officers.

While aviation has previously been a subject of instruction at the Naval Academy, in pursuance of the above decision a broad expansion has been made in the course at this institution. Early in June a selection was made of 150 members of the class which will graduate in 1926 and they were retained at the Naval Academy instead of

taking the practice cruise, and given an intensive three months' course in groundwork and flight training.

Each midshipman was given the regular flight medical examination to determine his individual physical qualifications and so determine his future fitness to be a naval aviator or naval observer. The first two months of the training were devoted to ground work and practical instruction, and the third month each midshipman was given the opportunity for eight hours flying as a passenger. While in the air each midshipman was given supplemental practical instruction in aircraft radio, the use of aerial bombing sights and guns, rules of the road, the use of aerial navigation instruments, and instruction in the handling of planes. A squadron of scouting planes from the fleet was assigned to the Naval Academy for this purpose. Older planes were supplied for engine and rigging instruction in the ground work.

It is contemplated to give the remaining members of the class which will graduate in 1926 a similar but more extensive course upon their graduation.

AIRCRAFT CARRIERS

The *Saratoga* is the first aircraft carrier to be launched for use as a first-line ship with the fleet. The *Lexington*, a sister ship, also was launched during the year. These vessels, with others that may be subsequently provided, will carry an important part of the naval air forces. As a type they may be said to epitomize the interdependence of aircraft and surface craft. In spite of the lack of carrier tonnage the number of aircraft participating in fleet maneuvers has increased each year since the close of the war. The past year has seen a larger number of planes operating with the fleet than ever before and operations of aircraft have been more extended and diversified.

In addition to the extended and increased activity in fleet aviation, the Navy has fostered a number of aviation projects which bespeak the healthy state of progress in design, development, and operation.

LIGHTER-THAN-AIR ACTIVITIES

At the naval air station, Lakehurst, N. J., there has been built up a valuable organization which has acquired skill and increased knowledge in airship operation and maintenance. Additional personnel, both Army and Navy, are assigned to this station from time to time for training.

Improvement in airship material matters has been constant, and is evidenced in such ways as power-plant improvements, including a successful type of water-recovery apparatus, new materials for gas cells, and better equipment for mooring and handling on the ground.

HELIUM

In accordance with recent legislation the operation of the United States helium production plant, Fort Worth, Tex., was transferred on July 1, 1925, from the jurisdiction of the Navy Department to the Bureau of Mines, Department of Commerce. During the period in which the Navy Department controlled the operation of the helium production plant, the cost of helium was steadily reduced from over $200 per thousand cubic feet in 1922 to $61 per thousand cubic feet in June, 1924, and to $25–$30 per thousand cubic feet in June, 1925. Had it been possible to tap a larger source of natural gas, the quantity of helium could have been increased and the unit cost still further reduced. The total helium produced for the fiscal year 1925 was insufficient to meet the needs of the Army and Navy.

"SHENANDOAH" AND "LOS ANGELES"

Operation of the airships *Shenandoah* and *Los Angeles* has been directed in general toward demonstrating the mobility, reliability, and dependability of airships, and in reducing the number of ground personnel required to handle them. With the *Los Angeles* emphasis has been laid upon the practicability of operating airships over routes which might be successful if developed on a commercial basis. On account of the limited radius of action of this airship when filled with helium, the flights made have necessarily been over shorter distances than desirable to fully show the advantages of large airships. In all of this work, mooring masts, both on shore and on the U. S. S. *Patoka*, have been of invaluable assistance.

AIRCRAFT POWER PLANTS

In the field of power-plant development for aircraft the Navy has made steady progress during the past year. Particular attention has been given to increased dependability of the engine installations of airplanes with further reductions in the weight factor where this could be consistently accomplished. These considerations are mandatory in the design and construction of naval aircraft. With the limitations imposed by shipboard operation, economy of weight for given power is essential and is only subordinated to dependability and serviceability.

Development has been carried forward in the three main branches of engineering—research, experiment, and flight service. In this work the engines, their accessories, and their fuels are intimately associated. Effort has been directed toward a standardization of engine types in horsepowers of 200, 400, 600, 800, and 1,000. This gives adequate range of power for engines suited to all naval types

of aircraft. Progress has been made in refinement of engine accessories looking to increased economy and dependability. Experiments have been conducted and will be continued in the development of suitable fuels which will permit the realization of higher economy and higher powers. The department is devoting every effort toward increase in excellence of this important branch of aviation development.

MACMILLAN ARCTIC EXPEDITION

A naval detail of planes and personnel accompanied the MacMillan Arctic Expedition under the auspices of the National Geographic Society during the past summer. The aviation operations which were conducted as a part of this expedition will furnish valuable information not only from a viewpoint of science and discovery but in the interest of air operations under new and difficult conditions.

In the brief space of time during which air operations were possible the three planes of the expedition flew a total distance of more than 6,000 miles. Practically all of these operations were carried out over the rugged and in many cases uncharted territory of Ellsmere Land. It is estimated that approximately 30,000 square miles of territory were viewed in the course of these operations.

EXPERIMENTAL OPERATIONS

Two outstanding types of long-distance patrol planes were completed during the past year. The first of these to be tested, the *PN–9*, was designed and built at the naval aircraft factory in Philadelphia. In a test over the Delaware River it established a new world's record for seaplanes, remaining in the air for 28 hours and 35 minutes. The second type of patrol plane was developed by private enterprise under Navy supervision and is designed to equal or surpass the performance of the *PN–9*.

WEST COAST-HAWAIIAN FLIGHT

Three planes were detailed for a nonstop flight from San Francisco to Hawaii to take place about September 1, 1925. The planes used were two seaplanes of the *PN–9* type and a specially built Boeing plane. The commander, aircraft squadron, Battle Fleet, was placed in direct charge of all arrangements of the flight, and Commander John Rodgers was detailed as flight commander, his flagship being *PN–9 No. 1*. The Hawaiian flight was attempted as a practical test of long distance naval patrol planes operating over the water and depending on their own resources.

In order to insure the safety of the aircraft making the flight, the following vessels were placed in line from San Francisco to

Hawaii at 200 mile intervals from San Francisco to the westward: *Corry*, *William Jones*, *McCawley*, *Meyer*, *Doyen*, *Langley*, *Reno*, *Farragut*, *Aroostook*, and *Tanager*. In addition to the above, ships of Submarine Divisions 9 and 14 were placed on a scouting line at Hawaii.

PN–9 No. 1 and *PN–9 No. 3* left San Francisco about 3 p. m. on August 31. *PB No. 1*, due to engine trouble, remained behind. *PN–9 No. 3* was forced down after proceeding 300 miles, due to failure of oil lines. The destroyer *William Jones* located her about 2 a. m., September 1, and towed her back to San Francisco. *PN–9 No. 1* proceeded on her way but was forced to land 200 miles from Honolulu, due to lack of fuel. While favorable winds were encountered they were of less intensity than anticipated, and that, together with rain squalls, accounted for the *PN–9 No. 1* not having enough fuel to reach her destination. The *PN–9 No. 1* failed to reach the *Aroostook*, the nearest station ship, due to a rain squall and to receiving wrong radio bearings.

All available ships were placed on the scouting line to search for the *PN–9 No. 1*, and a squadron of destroyers returning from the Australian-New Zealand cruise was ordered to proceed immediately to the Hawaiian area to assist in the search.

Commander Rodgers, after the forced landing of the *PN–9 No. 1*, being unable to radio his position and failing to see any of the station ships, was making the best of his way to land, using material from the wings of the plane as sails and improvising leeboards when discovered. The *PN–9 No. 1* carried only food and water sufficient for three days; consequently the last few days the crew had little food and only such water as was caught in canvas bags during the rain squalls and what little could be made in a still supplied Commander Rodgers by his mother prior to his departure. After spending nine days at sea Commander Rodgers and his crew succeeded in sailing the plane as a boat to within 15 miles of Nawiliwili Bay, Kauai Island, which they were endeavoring to reach, where they were sighted by the submarine *R–4* and towed to port.

Great credit is due to Commander Rodgers and his crew for the fortitude and resourcefulness shown by them in their endeavor to reach land after being forced down.

This flight is another step in advance in the development of material and equipment for naval planes in long-distance work over water.

LEGAL ACTIVITIES.

NAVAL PRISONS

The number and location of naval prisons in commission have not changed within the year. It has been the policy for the past few years to refrain from sending naval prisoners to other than prisons

directly under naval jurisdiction, as it is desired as far as practicable to have naval prisoners directly under the control of the Navy.

Prisoners who have been confined at State or Federal penitentiaries have been withdrawn or discharged with the exception of 15 at Altanta, Ga. (Federal penitentiary), and 13 at San Quentin, Calif. (State penitentiary), these being convicted of exceptionally serious criminal offenses. Unabated efforts to increase administrative efficiency and economy have continued, with gratifying results. The expenditure of public funds at the naval prisons continues, through the enthusiastic cooperation of the commanding officers, to be kept at a low figure. In conjunction with this sustained effort for economy a prison farm has been established at the naval prison, Parris Island, S. C. This farm supplements the prison fare with its produce, the surplus of which is sold to the personnel attached to the station. By this means not only is a substantial saving effected in the cost of the subsistence of the prisoners, but there is also afforded useful and healthful employment to a number of them. Sanitary and hygienic conditions have been kept up to a high standard, promoting and maintaining the physical health of the inmates and reducing the cases of serious illness among them to a minimum number; and their mental and moral welfare have always been in mind, as well as their rehabilitation for post prison life.

On June 30, 1925, there were in naval prisons 990 naval prisoners, in penitentiaries 28, on probation 139, a total of 1,157. These figures compare favorably with the corresponding figures of a year ago, 1,142, 49, and 228, respectively, totaling 1,419.

The probation system has been continued in satisfactory operation along the lines described in the last annual report.

The Naval Clemency Board is composed of the Judge Advocate General, one officer from the Bureau of Navigation, one from the headquarters of the Marine Corps, and one coming recently from the fleet to duty in the department. It meets on the first Tuesday of each month to consider the cases of prisoners for whom special recommendations as to clemency have been made by the commanding officers of the naval prisons. Upon approval by the Secretary of the Navy, such action is taken as has been recommended in the several cases; when favorable, this is generally outright release from confinement. Since the prisoners are apprised of the benefits of recommended clemency, individual conduct and prison administration are both improved thereby.

In relation to the material condition of the buildings and plant at the Mare Island naval prison the observations made last year are reiterated, although for reasons of economy of public funds no new construction may be undertaken in the near future. A plan is now

under consideration for the establishment of disciplinary barracks at several different points, to which would be sent short-time offenders in less serious cases, reserving the prisons proper for those convicted of the graver offenses. Such a plan would serve to reduce housing congestion at, and transportation expenses to, the Mare Island and other naval prisons.

CONTRACT AND REAL-ESTATE MATTERS

About 1,100 contracts for ordnance, public works, and public utility services, together with their accompanying bonds, were examined and approved during the past fiscal year. Provisions of these contracts were interpreted and construed, boards on changes appointed, public bills relating to them examined and approved, and final releases covering them drafted. In connection with the proposed contracts for the construction of six river gunboats for use in Chinese waters several interesting legal questions arose for determination. Annual contract bonds to the number of 178 underwent examination and received approval. "Fixed price" and "cost plus" contracts entered into before and during the World War period have also been under consideration for adjustment and settlement. With the cooperation of the telephone companies interested there has been drafted a standard form of contract covering telephone service, by which it is expected that the procedure will be much simplified and the rendition of service to the Navy improved.

Although a bill recommended by the department and introduced before the Congress at its last session, "To authorize the disposal of lands no longer needed, and the acquisition of other lands required, for naval purposes," did not, in its entirety, become law, some of the items contained in that bill were authorized by law as follows, viz:

(1) Purchase of third Bush lot for addition to the site of the naval supply depot, Brooklyn, N. Y.

(2) Purchase of sites for naval air stations at Quantico, Va.; Chelsea, Mass.; Lakehurst, N. J.; and Galveston, Tex.

(3) Purchase of site in the vicinity of Sand Point, Wash., for use as a naval air station.

(4) Purchase of land in the vicinity of Pensacola, Fla., as a site of water supply for the naval air station.

(5) To proceed with the water-front development at the naval base, San Diego, Calif.

New parcels of land were acquired for naval purposes as follows:

By transfer from the War Department.—Hawkins Island and Japonski Island, Alaska; Aiea Military Reservation, island of Oahu, Hawaii; Henry Barracks Military Reservation, Cayey, Porto Rico.

By Executive order of the President.—Naval Oil Shale Reserve No. 3, located in Colorado; addition to Naval Oil Shale Reserve No. 2, located in Utah; Frankford Bank, adjacent to and in the vicinity of the island of Key

West, Fla.; Balboa Naval Reservation, Balboa, Canal Zone; Military Reservations of Dungeness Harbor and San Juan Island, Wash.

By deeds of conveyance.—Tide lands adjoining block 14 of the Municipal Tide Lands Subdivision on the Bay of San Diego, Calif.; four parcels in Escambia County, Fla., as an addition to the naval air station; naval air station, Chatham, Mass.

Lands formerly under the control of the Navy Department were released and transferred from such control as shown in each of the following cases:

(*a*) Naval reservation, Cordova Point, Prince William Sound, Alaska, comprising 82 acres, restored to its former national forest status by Executive Order No. 4204, dated April 15, 1925.

(*b*) A portion of the naval reservation, Pensacola, Fla., comprising the Barela and Barrios tracts and containing 1,250 arpents, transferred to the control of the War Department by letter dated June 30, 1925.

(*c*) An area of 600 acres, more or less, at the Navy mine depot, Yorktown, Va., originally taken over by presidential proclamation dated August 17, 1918, was returned to the former owners under authority of the act of July 12, 1921.

Government-owned property under the jurisdiction of the department was leased as shown below:

(*a*) To the Standard Oil Co. of New Jersey, a tract of land covered by water on the west bank of the Cooper River, Charleston, S. C., from September 4, 1924, until such time as the property may be required for naval purposes but not beyond the five-year limitation period provided by the act of August 29, 1916.

(*b*) To the Honolulu Plantation Co., a portion of the land at Aiea, district of Ewa, island of Oahu, Hawaii, set aside for military purposes by Executive Order No. 2566, March 28, 1917, and transferred to the Navy Department by the War Department December 13, 1924.

(*c*) To W. E. Brightman, the artificial-ice plant at Coddington Point, Newport, R. I., from December 2, 1924.

PATENT MATTERS

Activities of the department in relation to patent matters, more especially those concerned with aircraft, radio, and engineering material and inventions, have increased greatly within the year elapsing since the last annual report. These include title and validity searches in the Patent Office and the collection of evidence for the use of the Department of Justice in pending litigation. Cases considered during the fiscal year numbered 168.

ADMIRALTY MATTERS

As in former years, so in this one admiralty matters have received consideration and have been acted upon. New collision cases to the number of 113, together with 319 left over from the last fiscal year, totaling 432, were under reference for consideration during the past fiscal year.

A year or so ago a proposal was made by this department to the British Admiralty looking to a joint settlement of all outsanding claims of whatever character between the naval departments of the two Governments. The proposal was accepted, and some progress has been made in ascertaining the number of claims on the two sides. The exact procedure to be followed in effecting the proposed joint settlement has not yet been determined.

Some 500 records of collisions occurring in foreign waters, principally during the World War period, most of which had been acted upon by claims boards and commissions, were examined in order to determine whether any further action by the department was indicated. In about 90 per cent of these cases it was found that no further action was required.

CONSTRUCTION AND REPAIR.

MAJOR ALTERATIONS TO COAL-BURNING BATTLESHIPS

The major alterations to the six coal-burning battleships authorized by special act and for which a special appropriation was made have been taken in hand on the first three of these vessels. Work was started on the *Florida* at the navy yard, Boston, Mass., April 1, 1925; on the *Texas* at the navy yard, Norfolk, Va., August 1, 1925; and on the *Arkansas* at the navy yard, Philadelphia, Pa., September 1, 1925. The *Utah*, the sister ship of the *Florida*, will be sent to the navy yard, Boston, Mass., at such time in advance of the completion of the work on the *Florida* as will permit handling the alterations on the two vessels as one continuous job. Similarly the *New York* will follow the *Texas* at the navy yard, Norfolk, and the *Wyoming* will follow the *Arkansas* at the navy yard, Philadelphia.

SCRAPPING NAVAL VESSELS

All of the vessels listed to be scrapped under the terms of the treaty for the limitation of naval armament have been disposed of in accordance with the terms of the treaty and within the time allowed. Of the completed vessels, the *Maine*, *Missouri*, *Nebraska*, *Georgia*, *Rhode Island*, *Connecticut*, *Louisiana*, *Vermont*, and *New Hampshire*, and of the vessels building, the *Montana*, *North Carolina*, *Iowa*, *Massachusetts*, *Constellation*, and *Ranger* were sold, with the proviso that they would be cut up by the purchaser, the cutting up being under the observation of a board of naval officers for the purpose of determining that the provisions of the treaty were properly carried out within the time allowed. Of the completed vessels, the *Kansas*, *Minnesota*, *South Carolina*, *Michigan*, and *Dela-*

ware, and of the vessels building, the *South Dakota*, *Indiana*, *Constitution*, and *United States*, were cut up by the navy yards, and the resultant scrap sold. The *New Jersey* and *Virginia* were turned over to the War Department and were sunk in bombing exercises. The *Washington*, after being stripped of such material as was not required for the carrying out of the experiments, was sunk by submarine explosions and gunfire. The *North Dakota* was disabled, as provided in the treaty, and is being retained for use as a target ship. The *Lexington* and *Saratoga* are being converted to aircraft carriers.

NEW CONSTRUCTION

The *Saratoga* and *Lexington*, originally laid down as battle cruisers, are now under construction and will be completed as aircraft carriers, the first at Camden, N. J., and the second at Quincy, Mass. The *Saratoga* was launched April 7, 1925, and the *Lexington* October 3, 1925. The progress on the two vessels is approximately the same, the later launching of the *Lexington* being due to local conditions, and both vessels are scheduled for completion about the end of the calendar year 1926. The submarine tender *Holland*, building at the navy yard, Puget Sound, is scheduled for completion in the spring of 1926. The *Memphis*, the last of the light cruisers of the *Omaha* class, was delivered January 31, 1925. The *S–47*, the last of the S-class submarines to be completed, was delivered September 16, 1925.

Fleet submarine *V–1*, building at the navy yard, Portsmouth, N. H., was placed in commission for surface trials October 1, 1924, for the purpose of testing the Diesel engines, and after cruising under various weather conditions for a total distance of over 17,000 miles returned to the Portsmouth Navy Yard May 31, 1925. The remainder of the work on the vessel will be completed and the vessel will be ready for regular service in December of this year. The *V–2* was placed in commission for regular service September 26, 1925, and the *V–3*, the third vessel of the class, all building at the navy yard, Portsmouth, N. H., will be completed in February, 1926. The minelaying fleet submarine *V–4*, building at the same yard, is scheduled for completion in the first half of the calendar year 1927.

Of the two fleet submarines to be started in the current fiscal year, the *V–5* will be built at the navy yard, Portsmouth, N. H., and the *V–6* at the navy yard, Mare Island, Calif. Of the two light cruisers to be started in the current fiscal year, light cruiser *No. 24* will be built at the navy yard, New York, and light cruiser *No. 25* by private contract. Plans for these vessels are under way and all will be laid down early in 1926. The amount available for the first fiscal year made it undesirable to lay down the vessels early

in the year, as this would have entailed either an uneconomical rate of construction or an interruption in the work.

Bids for the construction of the six river gunboats for service in Chinese waters, authorized at the last session of Congress, were opened by the commander in chief, Asiatic Fleet, on September 30, 1925. These bids have been forwarded to Washington for final consideration by the Navy Department.

PUBLIC WORKS OF THE NAVY.

Public works construction during the fiscal year ending June 30, 1925, and to the date of this report, was continued to the extent of the funds available. For 1925, $3,128,000 was appropriated for public works under the Bureau of Yards and Docks, and expenditures of $2,257,000 from the naval hospital fund, and $560,000 from the appropriation "Aviation, Navy," for public works were authorized. For 1926, $2,745,500 was appropriated under the Bureau of Yards and Docks, and $790,500 was authorized from the naval hospital fund for public works. Of the $9,481,000 thus made available $5,377,-748.30 has been obligated, and plans and specifications are in progress to consummate the balance of the authorizations. Approximately 85 per cent of the public works construction was done under contracts awarded after competitive bidding. During the fiscal year 1925, 118 contracts were awarded against 112 during 1924, and 33 have been awarded since June 30, last. No cost-plus profit contract was made.

During the summer a number of members of the House Naval Committee inspected the public works in the Canal Zone, at San Diego, and at Pearl Harbor. The Chief of the Bureau of Yards and Docks was ordered by the department to accompany the party to assist the members in their work.

DRY DOCKS

No dry docks were under construction during the year. The existing 26 dry docks were kept in repair and some additional facilities provided.

NAVY YARD AND STATION DEVELOPMENT

The filling operations at Philadelphia mentioned last year, were completed, adding approximately 135 acres of land to the Government property at a very small cost. Redredging the water front and certain paving work at this yard are being undertaken.

Other public works projects for navy-yard development completed or in progress, include improvements to Piers 6 and 7 and dredging at Boston; dredging at South Boston; a 1,200-foot fitting-out pier at Puget Sound; water front reconstruction at Mare Island, which is

nearing completion; construction of a 15-inch hydraulic dredge for Mare Island; also quay walls and pier at First Street, concrete wharf on Ford Island, concrete Piers 3 and 4, a small wharf and a fence at the submarine base, all at Pearl Harbor; extension of water intake and the reconstruction of a ravine bridge at Great Lakes; reconstruction of a wharf at Parris Island; reconstruction of a wharf at Tutuila; construction of a section of bulkhead at Key West; dredging at Coco Solo, Canal Zone; replacement of magazine wharf and partial reconstruction of the fuel-oil wharf at Guantanamo.

AIR STATIONS

At air stations public works projects were undertaken or completed as follows: At Anacostia, D. C., a storehouse was built and contract was made for a lavatory and laundry building. At Camp Lewis, Lakeview, Wash., a mooring mast was erected on the Army reservation. The *Shenandoah* was moored to this mast October 18 and 19, 1924.

At Coco Solo, Canal Zone, under specific authority contained in the 1926 naval appropriation act, the station is being developed, the work including dredging, bulkheading, and filling the site, and construction of a seaplane hangar, pavement and concrete runway. At Fort Worth, Tex., a mooring mast was erected. The *Shenandoah* was moored to this mast October 8, 9, and 24, 1924. At Hampton Roads a new concrete seaplane runway is being built. At Lakehurst, N. J., an underground high-pressure helium storage system was installed consisting of 10 large steel cylinders with accessories. A fire occurred at this station May 21, 1925, which destroyed the garage and a number of motor vehicles. At Philadelphia a storehouse was converted into a land-plane hangar. At Quantico, Va., enlisted men's barracks and a hangar were erected. For Pensacola, Fla., plans have been made for a new water supply system, including wells, pipe line, pumping plant, etc. At San Diego a mooring mast was erected and used by the *Shenandoah* October 11 to 16, and 21 and 22, 1924. The pier at North Island was reconstructed and a warming-up platform built. No work has been done at Sand Point, Wash. At Pearl Harbor a two-section seaplane hangar, some paving, and a concrete runway are under construction and some miscellaneous work is under way. A mooring mast is being erected at Ewa, about 16 miles from the Pearl Harbor station.

ORDNANCE ESTABLISHMENTS

At the ammunition depot at Pearl Harbor a fire-protection system, a storehouse, and a case-filling house were completed. At the torpedo station, Keyport, Wash., an extension of the pier was built

and extensions of the sewer system made. At Iona Island, N. Y., repairs were made to the pier and a double set of quarters built. Contracts have been made for a torpedo storehouse and a warhead storehouse at San Diego.

HOSPITAL CONSTRUCTION

Under authorizations for expenditures from the naval hospital fund for public-works plans have been made for a general-ward building, sick officers' quarters, and a heating plant at Mare Island to cost about $800,000. For Canacao (Cavite), P. I., contract was made August 12 last, for a main building, subsistence building, ward building, storehouse, and heating plant to cost $384,000. Contracts have also been made for an addition to nurses' quarters, San Diego; a storehouse and two quarters for pharmacists at Pearl Harbor; alterations and improvements at Norfolk; an incinerator plant and boiler house chimney at Brooklyn; a psycopathic-ward building at Mare Island, and some miscellaneous repairs, alterations, etc., at various hospitals.

VETERANS' HOSPITAL CONSTRUCTION

An act of Congress approved April 20, 1922, authorized the Director of the United States Veterans' Bureau to request the preparation of veterans' hospital drawings and specifications by any Government department equipped for the work, subject to the President's approval. In accordance with this act, this department prepared drawings and specifications for hospital construction at Tupper Lake, N. Y.; St. Cloud, Minn.; Gulfport, Miss.; Excelsior Springs, Mo.; and Augusta, Ga. Contracts for the first four of the hospitals mentioned were handled by this department, but the contract for the Augusta, Ga., hospital was under the United States Veterans' Bureau. The cost of the work was approximately $4,150,000. The last contract was closed during the fiscal year 1925, and the original tracings and records were forwarded to the United States Veterans' Bureau.

CHARLESFORT MONUMENT, PARRIS ISLAND, S. C.

The second deficiency act approved December 5, 1924, contained an appropriation of $10,000 for the construction of a permanent monument on the site of Charlesfort. A contract was awarded in June, 1925, for a granite marker about 15 feet high inscribed on one side as follows:

Erected 1925 by the Government of the United States of America to mark the first stronghold of France on this continent.

and on the other side:

Here stood Charlesfort built by Jean Ribaut for Admiral Coligny; a refuge for Huguenots and to the glory of France.

MARINE CORPS PUBLIC WORKS

The construction of the Marine Corps base at San Diego continued throughout the year and the authorized work has now been completed. The base has a capacity of 1,200 men. It has been in commission for some time.

The Marine Corps supply depot at San Francisco authorized by the 1925 naval appropriation act, was completed in time to permit the vacation of leased property upon the expiration of the lease June 30 last. An extension of the building authorized by the 1926 naval act has provided additional space for the Marine Corps and also space for naval activities now occupying leased properties and the headquarters of the twelfth naval district now in the Customs Building. The saving in rental resulting from its occupation amounts to 14.9 per cent annually on the amount appropriated for the work, besides releasing 6,450 feet of floor space in other Government buildings.

WATER SUPPLY PROJECTS

The joint Army and Navy water supply at Pearl Harbor was improved by the erection of elevated tanks with piping connections; a 500,000-gallon tank is being provided at Guantanamo; two wells are being sunk at Annapolis; improvements are being made at the Naval Observatory to provide fire hydrants as desired by the District of Columbia Fire Department, and two wells, a reservoir, and piping connections are being provided at Pensacola to furnish an adequate supply to the air station.

ACTIVITIES OF THE SUPPLY CORPS.

ECONOMIES IN STOCK

Some 20,000 of the requisitions for stores were checked against the central records of excess stock. By utilizing the excess, transferring it to points of need, purchases and manufactures amounting to approximately $1,900,000 were avoided. In addition, items amounting to approximately $230,000 were eliminated completely from these and other requisitions.

TRANSFERS TO OTHER GOVERNMENT DEPARTMENTS

In line with the Government policy of economy, the Navy continues to transfer to other Government departments the materials

that can be released without detriment to the Navy. During the year particular issues of this character were authorized to be made to the Veterans' Bureau for hospital construction at the Great Lakes, to the Forest Service of the Department of Agriculture, and to the National Park Service of the Department of the Interior.

CONTRACTS AND PURCHASES

The centralized purchase business for the year exceeded last year's business by some $37,800,000. The increase is due largely to the fact that more and more purchases must be made as the stock of materials remaining from the war period diminishes. Then, too, the reported figures include transactions to be paid for by the 1926 appropriations.

SHIPMENTS OF MATERIALS

Navy shipments from interior points for transshipment by water are now covered by two bills of lading, one to the sea coast and one for the water transportation. This method avoids handling the consignments through navy yards and saves time and handling costs.

COAL

The contracts for 1926 include provision for reducing the price of delivered coal, which is not in exact conformity with the specifications and which it may be impracticable to have the contractor remove after delivery. The purchase of coal on specifications presents a peculiar problem. Ordinarily it is a week, and sometimes it is as much as 10 days, before the results of chemical analyses are known. Meanwhile the coal must be dumped to avoid demurrage. While it is preferable from the Navy view to reject the deliveries, it is not always practicable to require the contractor to remove the rejected coal. Therefore, to protect the Government's interest, and also to preserve the equity of bidding competitors, a uniform penalty clause has been adopted.

FUEL OIL

The prices in the Navy contracts for fuel oil in cargo lots, both for 1925 and 1926, are substantially lower than the spot-market prices.

THE NAVY RATION

Notwithstanding the upward trend in the cost of food materials—15 per cent according to the Department of Labor statistics—the ration cost for the year increased by only 4 per cent over that of last year. Through rigorous control over the ration the average

cost was kept to the absolute minimum of 53 cents. The indications are for higher prices for ration articles in 1926, and an increase in the cost of the ration may be expected.

CLOTHING

Some of the war-time stock, unsatisfactory in quality, shade, and workmanship, still remains on hand. A part of the war-time accumulation has been utilized by converting large-size garments into smaller garments. Experiments were made by the Bureau of Standards, in conjunction with commercial dyeing establishments, to develop a dye that would make the blue garments conform in shade to the Navy standards. The experiments were unsuccessful. Plans are laid to offer the surplus stocks at sale when market conditions are deemed favorable.

ACTIVITIES OF THE MEDICAL CORPS.

HEALTH OF THE NAVY

The vital statistics of the Navy for the calendar year 1924 indicate that there were fewer admissions to the sick list and less disability from sickness than in any year since the World War.

LOW DEATH RATE

The death rate from disease was very low; 1.78 per 1,000 of personnel. A lower rate has been experienced only once in the history of the Navy. That was in 1922 when the rate was 1.65. In that year, however, the general admission rate was much higher, and there were more sick days in proportion to the strength of the Navy than during the year now under review.

Lobar and broncho pneumonia as primary causes were together responsible for 33 deaths in 1924 and 29 in 1922. In recent years the total number of deaths from disease has been so small each year that a very few deaths, depending upon varying epidemicity of acute diseases of the respiratory type, are sufficient to determine whether the rate for a given year will be higher or lower than a previously established low record, although there is, of course, some variation from year to year in the numbers of deaths resulting from communicable diseases of other types as well as noncommunicable diseases. However, in each of the last three years the death rate from all forms of disease has been so low that no further striking reductions are to be expected in the immediate future. On the other hand it is probable that some small reduction, hardly to be noticed in any one year, but apparent from one 5 or 10 year period to another, can be secured with continued efforts to improve living

conditions in the Navy, prevent overcrowding; promote personal and group hygiene, reduce turnover among the personnel, reject or eliminate promptly those who are physically or mentally unfit, extend practical knowledge or preventive medicine and make the work of the Medical Department still more effective by promoting education as well as cooperation and coordination with all service activities, which endeavors, happily, have already accomplished excellent results.

In 1924 there were 286 deaths from violence and other external causes, including all injuries and poisonings, making a rate of 2.39 per 1,000 of personnel, and the crude death rate of the Navy 4.18 per 1,000, compared with 4.05 in 1923 and the lowest recorded rate, 3.23, in 1922.

DEATHS CAUSED BY DISASTERS

Several disasters occurring in 1924 were responsible for the loss of 6 officers and 72 enlisted men. Exclusive of these 78 deaths, the total rate would have been 3.52 per 1,000, which is a higher figure than the 1922 rate. It is clear that the prevention of avoidable accidents continues to deserve the greatest possible consideration in the Navy Department and throughout the naval service. Reduction in the numbers of sick days resulting from violence and other external causes has not kept pace with the reduction of disability caused by disease. However, as pointed out last year, perhaps some degree of satisfaction is justified if no increase must be recorded for accidental injuries, because injury hazards have increased in variety and degree of risk as the work of the Navy has become more and more complicated and as machinery of greater variety and greater power has taken the place of increased man power. With the development of aviation activities new hazards have been introduced. In 1924 there were 78 admissions to the sick list, 1,578 sick days, and 32 deaths resulting from injuries incurred in flying. There were 19 deaths in 1923 and 20 in 1922. These figures do not mean that flying is less safe than it was a year or two ago. On the contrary the risks of injury and death have been progressively reduced but exposure to aviation hazards has increased. The figures are mentioned to illustrate the point that injury hazards for naval personnel are greater than they were a decade or two ago.

ADMISSION RATE LOWEST EVER RECORDED

The admission rate for all causes, diseases, injuries, and poisonings combined, was 557.15, the lowest ever recorded for the Navy by a considerable margin. The corresponding median rate for the five preceding years is 625.16. The admission rate for disease was

especially low as intimated above. It was only 496 per 1,000 in contrast with the corresponding five-year median figure, 551.61. The admission rate for injuries, 59.3, was but little lower than the median figure for the preceding five years, 61.95 per 1,000. There was, however, a definite reduction in the rate for poisoning to the comparatively small figure, 1.81 from the median rate of 4.99 per 1,000 for the preceding five years.

One reason why the general morbidity rate of the Navy was low in 1924 is that health conditions in most parts of the United States were excellent that year and crude death rates as well as specific rates for important communicable diseases were comparatively low. Another reason is that the rate of turnover among enlisted personnel was lower than it has been in recent years, 18.7 per cent. This means the percentage of the daily average strength represented by recruits enlisted during the year. The rate was 35.1 per cent in 1923 and 20.9 per cent in 1922. Overcrowding was not a conspicuous factor in general, and where overcrowding existed other factors that would tend to promote the occurrence and spread of communicable diseases apparently did not come into play.

BOARDS OF REVIEW

A very important measure from the standpoint of hygiene and preventive medicine, put into effect during the year, was the creation of boards of review at all naval training stations for the purpose of detecting and immediately eliminating by discharge for inaptitude all recruits found to be mentally or physically unfit for the service but inadvertently accepted in the recruiting office.

Coupled with these and other factors of epidemiological significance it is not unlikely that increasing efficiency of the Medical Department in the field, and the systematic application of practical methods directed toward the early detection of disease of every kind and toward prevention when prevention is possible, along with gradually improving medical and nursing service, account for part of the reduction in sickness rates, because the morbidity and mortality curves of the Navy have trended downward steadily from year to year. Sanitary reports from ships and stations in general have indicated that commanding officers and medical officers are recognizing important causes of disease and are differentiating more and more between them and relatively unimportant factors in the environment for the purpose of dealing effectively with conditions which are relatively of the greatest importance from the viewpoint of promoting health and preventing disease. The Bureau of Medicine and Surgery has continued, through its publications, to furnish medical officers with information of practical educational value in

the field of clinical medicine, hygiene, and epidemiology, with the hope that through them practical knowledge of preventive medicine will be disseminated widely through the service.

DAILY PERCENTAGE OF SICK.

In 1924 the average daily percentage of sick, all causes, was 3.03. This figure means the number per hundred constantly on the sick list, or noneffective as sometimes stated. The median corresponding rate for the preceding five years is 3.5 per cent. The average number of sick days for all persons in the Navy was 11.06 in 1924 and the corresponding median figure for comparison is 12.6. The average number of sick days per admission to the sick list was 19.9 as compared with 20.1, the corresponding median figure for the preceding five years.

The common acute infectious diseases of the respiratory type are naturally responsible every year for many admissions to the sick list; for much disability in the aggregate; and, through complications for a number of deaths. The most prevalent infections in this group are acute tonsilitis, acute bronchitis, and common colds in general. In 1924 the admission rate for these infections was more than 10 per cent less than the median rate for the preceding five years, and the admission rate for influenza was nearly 76 per cent less.

THE ANNUAL PHYSICAL EXAMINATION

Until this year, the annual physical examination of officers has had as its chief object the elimination of the unfit. The character of the examination has recently been changed and it now has for its prime object the prevention of unfitness among the personnel. Early pathological changes are detected and steps taken to prevent any increase in the severity of the condition and, if possible, to eradicate the condition entirely. In order that this may be accomplished, it is necessary to have entire cooperation between the officer being examined and the medical officers. This is being developed to a gratifying extent and it is believed that these examinations will result in great personal benefit to the officer personnel and in a marked increase in the physical efficiency of the Navy.

AMERICAN RED CROSS

The Red Cross has continued throughout the year to assist in maintaining the morale of the enlisted force of the Navy through the activities of its home service. This has been of inestimable value to the service and has been of great assistance in the care and treatment of patients in the naval hospitals.

During the year the Bureau of Naval Affairs at national headquarters, under the direction of a member of the Naval Medical Corps, carried on the function of coordinating all Naval Red Cross activities dealing with matters of special interest to the Navy, and rendering advice and aid to any department, bureau, or other subdivision of the Red Cross organization on matters relating to the Navy.

GENERAL BOARD.

Since the last report the General Board has continued to act on all matters required by Navy regulations and questions submitted to it by the Secretary of the Navy. In all, 44 papers have been acted upon, of which the following list will indicate the scope and importance of some of the work of the board:

Development of air squadrons—Asiatic.
Expenditure of special appropriations.
Proposed change in selection law.
Bill (H. R. 10355). Amending the act of August 29, 1916, and repealing the third proviso of section 5 of the act approved June 4, 1920, for promoting efficiency in the line of the Navy.
Estimates for the development of the Navy.
Recommendation in regard to reconditioning and modernization of battleships *Utah, Florida, Arkansas, Wyoming, New York, Texas.*
Naval policy, building program, 1927.
Proposed conference on traffic in arms to be held at Geneva on May 4, 1925.
Building program 1926—fleet submarine—cruiser type.
Characteristics for light cruisers.
Proposed MacMillan Arctic Expedition.
Modernization of battleships of the *Florida, Arkansas,* and *Texas* classes.

A special board which embraced all the members of the General Board was ordered by the Secretary of the Navy on September 23, 1924, to consider and report upon the "Policy with respect to upkeep of the Navy in its various branches," and it was not until January 17, 1925, that the report was submitted. Seventy-six witnesses, each an expert in his own line, were examined, and the exhaustive and valuable report shows the result of painstaking effort.

When necessary to arrive at a decision, hearings have been held at which officers of the Army and Navy and civilians specially qualified to give information were examined. The records of these hearings constitute a valuable collection of expert testimony.

MARINE CORPS ACTIVITIES.

TRAINING

Training has been conducted throughout the Marine Corps at all posts and stations during the past year along the lines of accepted military practice. Provision has been made for special training

where required, as for men selected for duty aboard ship. Athletic as well as military training has been emphasized. In the smaller posts and organizations, training activities are limited on account of the nature of the duties performed by the personnel at these posts. At Quantico, however, there has been maintained an expeditionary force comprising Infantry, Artillery, auxiliary troops such as engineers, signal, gas and tanks and an aviation group—all of these equipped and trained for service with the United States Fleet. A training center has been operated in Haiti at which, throughout the year, the troops garrisoning that country have in turn undergone periods of intensive training. A west coast expeditionary force, stationed at San Diego, Calif., has been organized. All recruits have been given courses of training at Parris Island, S. C., or San Diego, Calif., before being assigned to regular duty.

During the period covered by this report, the appropriation by Congress was such as to make necessary a reduction in the strength of the personnel in the Marine Corps from 19,500 to 18,000. This reduction in personnel of 1,500 has been accomplished by reducing the complements at various Marine Corps posts. Marine guards aboard ships have in no cases been reduced. With but few exceptions, marine complements under jurisdiction of the Navy, such as marine barracks, navy yards, have suffered no reduction in personnel. A large portion of this reduction was absorbed by Quantico, and from Quantico have come the marines to meet other demands made upon the Marine Corps. This reduction made it impracticable to conduct a field exercise of a nature similar to those held for the past four years. However, this has in no way curtailed the training of the individual units of the expeditionary forces maintained at Quantico.

MANEUVERS

The outstanding activity of the year was the joint Army and Navy problem, No. 3, held off Hawaii last spring. The Marine Corps participated in this problem. Plans were made by headquarters, Marine Corps, with the cooperation of the commanding officer of the Marine Corps schools and his staff. Plans and annexes for a force of 40,000 marines were drawn up in detail. The force was represented by an actual force of 1,500 marines, part of whom embarked on the *Henderson* at Quantico, Va., the others from San Diego, Calif., who joined when the *Henderson* arrived on that coast. The schools at Quantico were discontinued and the school staff and students were assigned to staff duty with this force.

The exercises which took place at Hawaii were completely successful from the standpoint of the marines. The plans worked to perfection, and a landing was accomplished.

OPERATIONS

Operations have extended over nearly this whole period. However, they were localized in China. The operations were on a small scale, and the forces dispatched from Guam, Cavite, and the west coast were not organized forces. The duty consisted in guarding the lives and property of Americans and other foreign residents.

TARGET PRACTICE

Target practice has been conducted throughout the Marine Corps with thoroughness. The results have been excellent. Rifle qualifications have averaged 82 per cent. This is considered excellent, because the requirements for qualifications have twice been raised. Pistol qualifications have averaged 66 per cent.

During this period marines on the International Rifle Team have fired with the international team in Peru and in Switzerland. The marine team has completed the firing at Wakefield, having won a majority of the matches entered. They also entered the national matches at Camp Perry and achieved conspicuous success.

AVIATION

Training of the personnel in this branch has been continuous and much along lines of previous years. Officers and enlisted men have been assigned to various schools throughout the country. Annual bombing and gunnery exercises have been carried out. Marine aviators and planes accompanied the Blue Marine Corps Expeditionary Force in the recent joint Army and Navy exercises.

EDUCATION

During this period, the educational activities of the Marine Corps centered in the courses of instruction offered by the Marine Corps institute in a variety of technical and general subjects, and has shown a steady increase.

HAITI

Peaceful conditions have prevailed in Haiti during this period. The task of maintaining peace and order has been performed by the Gendarmerie d'Haiti, which is composed of Haitian troops commanded by officers, most of whom are officers and enlisted men of the Marine Corps.

A marine brigade is still maintained in Haiti. It is the remains of the original force of occupation which brought to Haiti peace and tranquility. This result, which has brought protection to life and property, is a good basis for judging the general conduct of the force of occupation.

NICARAGUA

On August 3, the marines under command of Major Keyser, United States Marine Corps, embarked on the U. S. S. *Henderson* at Corinto, Nicaragua. This terminated the American Legation guard at Managua, Nicaragua. The marines have been in Nicaragua since 1912, for one year as an expeditionary force, and since then as the legation guard. The most cordial relations existed between the marines and the Nicaraguans. Nicaraguan officials have expressed their appreciation for the results obtained by the marines.

APPROPRIATIONS AND EXPENDITURES

All activities of the Marine Corps have been undertaken with due regard to the necessity of economy in all expenditures. By close observance of this principle, and careful supervision of expenditures, the Marine Corps has been able to perform all its missions and maintain its organizations with the funds provided.

NAVAL OIL RESERVES.

During the past year the Secretary of the Navy has continued under his immediate supervision all activities in connection with the naval petroleum and oil shale reserves and the general policy relative to future fuel-oil supplies for the Navy. The Secretary of the Navy made a personal inspection of petroleum reserves Nos. 1 and 2 during the month of September, 1924. The following activities in connection with the subject of fuel supply were in operation throughout a part or all of the year:

(*a*) The naval petroleum reserve office, under the immediate supervision of the Secretary of the Navy, has continued a study of the general petroleum situation and has cooperated with various Government agencies in connection with the operation, maintenance, and protection of the naval petroleum and oil shale reserves.

(*b*) The inspector of Naval Petroleum Reserves Nos. 1 and 2 at Los Angeles, Calif., and the inspector of naval petroleum and oil shale reserves at Casper, Wyo., have kept in touch with the oil situation within their respective districts and have made various reports covering the operations of their offices.

(*c*) Rear Admiral H. H. Rousseau, Civil Engineer Corps, United States Navy, has continued as naval receiver for naval petroleum reserves Nos. 1 and 2. Rear Admiral Joseph Strauss, United States Navy, was relieved as naval receiver for Naval Petroleum Reserve No. 3 by Commander H. A. Stuart, United States Navy, who was recommended by the Navy Department and duly appointed by the court.

(*d*) The Presidential Oil Commission has continued its study of the naval petroleum reserves with a view to outlining a general policy to be followed in connection therewith.

(*e*) In December, 1924, the President created the Federal Oil Conservation Board, consisting of the Secretary of the Interior, chairman, Secretary of War, Secretary of the Navy, and Secretary of Commerce, to consider the problems of the country's petroleum industry. This board has sought the cooperation of the oil industry in general in an effort to solve the problem of providing a future supply of petroleum products for the Nation at large, both as a military and naval requirement and also as a commercial need. The Presidential Oil Commission, which is working primarily on the naval reserves and the Navy's oil supply, is working in conjunction with this new board.

LITIGATION

The trial in the case of the United States *v.* Pan-American Petroleum Co. interests was commenced on October 20, 1924, and ended on November 18, 1924. On May 28, 1925, the court handed down its decision, finding in general in favor of the Government and declaring the leases in litigation to be void and illegal. The defendants in this case entered an appeal from the decision of the district court. This appeal was heard on October 5, 1925, before the United States Circuit Court of Appeals at San Francisco, Calif.

The trial in the case of the United States *v.* Mammoth Oil Co. interests was commenced at Cheyenne, Wyo., on March 9, 1925, and ended March 26, 1925. On June 19, 1925, the court handed down its decision, finding in favor of the defendants and declaring the lease to be valid. The special Government counsel have noted an appeal in this case for later hearing. In addition to these two cases the Department of Justice instituted suits in connection with the Belridge lease and with the so-called consolidated Pan-American lease, with a view of restoring these lands to the Government. The Belridge case was heard before the United States District Court at Los Angeles, Calif., on July 14, 1925. The court decided that the lease was valid. The Government has appealed from this decision and the appeal will be heard at a later date. The Government has also instituted proceedings, though the medium of a special Government counsel, against the Standard Oil Co. of California in the case of sec. 36, T. 30 S., R. 23 E., M. D. M., Naval Reserve No. 1, looking to the recovery of this section for the Government.

RECEIVERSHIP

The receivers have continued in charge of the operation of the reserves throughout the year. No new drilling has been done in any of the reserves other than absolutely necessary offset drilling. The receivers for Naval Reserve No. 3 made a contract for the sale of all casing-head gas being produced with the oil from this reserve; this action prevents an economic waste and also provides additional revenue from operation of the reserve.

OIL SHALE

The Navy Department has continued a study of the oil-shale situation with the object in view of making use of this product as a war-time reserve at such time as the shale industry may become commercially practicable. An appropriation of $90,000 was made available by Congress for use by the Bureau of Mines in connection with an attempt to develop a practical process for the utilization of this resource.

An experimental oil-shale plant will be located on the Colorado Naval Oil Shale Reserves and the shale from these reserves will probably constitute the principal source of supply for the experimental work.

By Executive order of November 22, 1924, 4,880 acres were added to Naval Oil Shale Reserve No. 2 (Utah), this additional acreage being former mineral and State sections within the body of the reserve.

An aerial photograph of Naval Petroleum Reserves Nos. 1 and 2 California and of the naval oil shale reserves in Colorado was made by the personnel of the naval air station, San Diego, Calif. These photographs will be used by the United States Geological Survey in making mosaic maps of these reserves.

NAVAL PETROLEUM RESERVE NO. 4, ALASKA

The United States Geological Survey continued the survey of Naval Petroleum Reserve No. 4, Alaska. About $140,000 has been expended up to the end of the fiscal year 1925 in the conduct of this survey. The personnel conducting the survey submitted a report covering the activities to date. Owing to the isolation of this reserve and the difficulties of operating in this region no development work has been done to show the actual presence of oil deposits in quantities. Due to the extent of the reserve all work has been of an exploratory character. No further allotment of funds for

this work is contemplated for the present, after the existing appropriation is exhausted. Numerous prospecting permits for land within the borders of this reserve have been granted by the Department of the Interior in such cases where the claims were located prior to the withdrawal of the land as a naval reserve.

FUEL-OIL STORAGE

The fuel-oil tanks under construction by the Mammoth Oil Co. at Portsmouth, N. H., and the second series of tanks under construction by the Pan-American Co. at Pearl Harbor, Hawaii, were completed during the year under stipulation between Government special counsel and counsel for the respective oil companies without prejudice to either party involved in the litigation.

ADMINISTRATION OF NAVY YARDS AND STATIONS.

The Navy Yard Division under the Assistant Secretary of the Navy works with the bureaus and Naval Operations in assisting the industrial navy yards in their work.

A considerable amount, about $1,300,000, received during the past fiscal year from the United States Coast Guard, War Department, and the Emergency Fleet Corporation of the Shipping Board assisted in maintaining fairly uniform work loads at the greater number of navy yards. This had a tendency to increase the efficiency and reduced the cost for Navy work.

The endeavors of the Navy Yard Division to maintain uniform conditions and to give the assurance of reasonably permanent jobs to steady employees have been repaid by the added interest and cooperation from the individual workmen.

During the period from November to April, 1925, officers from this division inspected the six east-coast navy yards. There was found a wide divergence in organization but a uniform determination to give the greatest value received for each dollar expended by the Government. Following these inspections work was started upon a uniform efficiency marking system. Endeavor is being made to extend the good features noted at certain yards to all stations and to eliminate defects found at these inspections.

The complicated typewritten reports transmitted by the bureaus to this division last year have been dispensed with. This eliminates considerable paper work for both yards and ships.

A general policy for the Navy regarding tests on articles submitted by commercial concerns has been promulgated to the service. This was drawn to coordinate the ideas of the interested bureaus in order that there might be one procedure for this class of tests no matter what bureau might have cognizance of the material offered by the commercial company for test.

ACCOUNTING

In cooperation with the Bureau of Supplies and Accounts, a number of accounting changes have been effected, including revision of forms for reporting cost charges, all with a view to simplification and to a reduction of the labor involved.

CIVILIAN EMPLOYEES AT NAVY YARDS

The number of civil-service personnel now employed at 18 major navy yards and shore stations is approximately the same as last year (30,000), though there have been minor fluctuations at certain points due to lack of work for some trades. About one-half of the correspondence of this division is upon matters regarding civil-service employees at navy yards.

One hundred and eighty-three employees were retired with an annuity under the provisions of the civil service retirement act of May 22, 1920.

The wage schedule for civilian employees was revised for the calendar year 1925, following the annual investigation by local wage boards and the Departmental Wage Board of Review of wages received for like work in the vicinity of navy yards.

SAFETY ENGINEERING

The Navy Department has a well-developed organization to promote the safety of its employees at navy yards and naval stations; the administration of this work is centralized in the office of the Assistant Secretary of the Navy under the general supervision of a qualified safety engineer.

At the 16 major navy yards and naval stations there are established offices of safety engineering. These navy yards and naval stations report each month to the Office of the Assistant Secretary on the number of accidents, their causes, time lost, etc. These reports are carefully analyzed and a monthly report is sent to each of these yards and stations. All navy yards and naval stations are on a competitive basis, one with the other, in an endeavor to reduce accidents and time lost as a result of accidents. The department considers the safety of the employees of the Naval Establishment to be of prime importance.

CIVILIAN EMPLOYEES AT NAVY DEPARTMENT.

On July 1, 1924, classification of the civilian force of the department at Washington was effected in accordance with the classification act of 1923. This has resulted in a more equitable salary distribution based upon the character of work performed.

The following tabulation indicates the disposition of cases coming under the provisions of the civil service retirement act of May 22, 1920, during the fiscal year 1925:

	Service	
	Departmental	Field
Employees reaching retirement age who were continued in the service	0	9
Employees reaching retirement age who were retired without annuity	0	15
Employees retired on account of physical disability rendering them unfit for useful and efficient service	2	35
Employees reaching retirement age who were retired with annuity	3	127
Employees, 55 years of age and over, who were involuntarily separated from the service before reaching the retirement age and who were granted annuity	0	53

Numerous inquiries have been received from those interested in the various navy yards and naval stations, and from employees themselves, relative to civilian personnel with respect to separations from the service, promotions, efficiency ratings, etc., particularly in matters affected by reduced appropriations for the Navy and consequent reductions in allotments, work, and employees. The department in handling these matters has been actuated by a desire to give just and equitable treatment to those affected, predicated upon the law and the interests of the Government, as well as the employees themselves.

The wage schedule for civilian employees under the Naval Establishment was revised and made effective for the calendar year 1925, following a detailed investigation by local wage boards and the Departmental Wage Board of Review of the wages received by employees in private industries engaged in work similar to that carried on by the Navy Department.

THE NAVY FILING MANUAL.

The Navy Filing Manual, approved and adopted July 5, 1923, was promulgated to the naval service in January, 1925. This manual provides standard subject and name title file symbols and numbers for use in connection with correspondence pertaining to the Navy and naval service, but allows each administrative organization to make such arrangement of these file symbols and numbers as will most efficiently meet its own requirements for recording, indexing, and filing papers. The purpose of the manual is to provide a uniform, efficient, and time-saving method for recording, filing, and finding correspondence.

It was originally intended to make a change in Navy filing systems in 1916, but owing to the World War it was postponed.

COMPENSATION BOARD.

The Compensation Board, during the year 1925, has continued to administer and determine, in accordance with the terms of the cost-plus contracts under its cognizance, the actual cost of vessels building for the Navy at private shipyards. It has also continued to supervise the remaining accounting work in connection with the cancellation of contracts as a result of the treaty for the limitation of naval armament. On June 30, 1924, the claims of contractors due to cancellation of contracts as the result of the treaty for the limitation of naval armament were practically all settled. The necessary financial adjustments and the accounting for charges on the canceled contracts incident to the removal of material from shipyards continued, under the supervision of the Compensation Board, through the year 1925.

Under the specific provision of the contracts, the board has continued to supervise the operation of the cost-plus contracts for the aircraft carriers *Saratoga* and *Lexington*, now under construction.

As a result of the appointment of the Naval War Claims Board by the Secretary of the Navy to investigate the merit of claims submitted under the act of March 4, 1925 (P. B. 611 and P. B. 617, 68th Congress), the work of the Compensation Board has been increased; but this increase is coincident with a decrease in the current work of the board, so that it has involved no increase in the clerical or administrative force. The correspondence and a large part of the investigating work on the claims is being conducted by the personnel of the Compensation Board, two of whose members serve also as senior member and member and recorder, respectively, of the Naval War Claims Board.

During the year a total reduction of 23 civilian employees has been made in the force employed on cost inspection duty under the Compensation Board in the field and in Washington.

OUTLYING POSSESSIONS.

AMERICAN SAMOA

Capt. H. F. Bryan (retired), United States Navy, relieved Capt. Edward S. Kellogg, United States Navy, as Governor of American Samoa, on March 17, 1925.

In accordance with joint resolution No. 75, Sixty-eighth Congress, the U. S. S. *Ontario* visited Swain's Island on May 13, 1925, and, with appropriate ceremonies, hoisted the American flag and proclaimed United States sovereignty over the island.

In accordance with previous custom, the Government again handled the copra crop for the past year with beneficial results.

The copra crop for the contract year 1924 amounted to 3,920,640 pounds, for which a contract price per ton of $92.12 was received. This is an increase of 1,155,801 pounds of copra and an increase of $9.50 per ton in contract price.

The policy of administering and expanding the school system within the limits of native Samoans to assimilate education has continued, with most gratifying results. The school tax is $3, the same as in previous years, and the additional money needed is taken from other island funds.

Water-supply systems have been installed in certain villages, thus adding greatly to the comfort and health of the inhabitants.

The roads have been maintained and extended within the limits of the funds at hand, culverts and bridges on the main roads being replaced by concrete structures as the old structures require removing, while creosoted timbers are used on the main trails.

The campaign in sanitation has been carried on under the Navy sanitary inspectors, supplemented by instruction of the natives, and more especially of the school children. As a result, the health of the native population has been, generally, very good, no serious epidemic having occurred.

GUAM

Capt. H. B. Price (retired), United States Navy, has continued as the governor, and under his administration the policy has been continued of doing everything possible for the improvement of the standards of living of the native Chamorros.

Great stress has been laid on education, with particular emphasis on the necessity of learning the English language as the first requisite looking to further useful advancement. This activity absorbs nearly half the total expense of the government.

The general health of the island has been good. The work of the Public Health Service has been continued and much good has been accomplished.

In so far as funds permitted, work on the roads and water-supply systems has been pushed and extended, the new post office completed and additional school facilities provided.

The principal articles of export being copra and coconut oil, the importance of the coconut tree can not be underestimated. A campaign of education and publicity has been carried on by the local government and commercial agencies looking to an increase in this important crop. The Department of Agriculture, through their local representatives, has been actively engaged in fighting the aspidiotus destructor which has endangered the coconut groves, especially in the northern section of the island. Congress appropriated

$8,000 for this particular work last December; however, the complete eradication of the pest can only be accomplished after a long period of time and unceasing vigilance and labor.

During the year the Dollar Steamship Line established a regular service between Guam and the United States. This provides for the first reliable ship sailings at 50-day intervals. Hitherto, practically all transportation service fell on the Army and Navy transports, which were infrequent and irregular, and more especially devoted to official uses. The addition of this regular line has proved a great boom to the population.

VIRGIN ISLANDS

Capt. Martin E. Trench, United States Navy, succeeded Capt. Philip Williams, United States Navy, as Governor of the Virgin Islands on September 11, 1925.

During the past year the general economic condition in the islands has not greatly improved; however, reports indicate that the present sugar crop will again approach the normal after several years of drought.

In January ground was broken for the building of the water-supply systems for the town of St. Thomas and for Christiansted and Fredericksted on St. Croix. This is of the utmost importance, looking to the health and well-being of the inhabitants. The total project contemplates an expenditure of approximately $202,000, for which Congress has appropriated directly $125,000, the remaining expense being appropriated locally by the municipal councils.

The policy of improving the general standard of living in the islands is the basic principle of the island government. This is indicated by the increase in expenditures for the municipality of St. Thomas and St. John. Of a total annual increase of 601,859 francs under American administration over that under the Danish régime, 580,843 francs is due to increase in the department of health (213,175), education (205,993), and public works (161,675).

NAVAL RESEARCH LABORATORY.

The Naval Research Laboratory at Bellevue, D. C., has in its second year of operation demonstrated to an increasing degree its value to the naval service.

The outstanding accomplishment of the year has been elucidation of the laws governing high-frequency radio transmission. Additional to the accumulation of information of great scientific value concerning the higher layers of the earth's atmosphere, the study has shown that radio wave propagation at all frequencies is in accord with a single fundamental law, but that as frequencies increase

above a certain point factors which at low frequencies are of relatively small importance become of controlling value. The practical application of this contribution to general scientific knowledge is to permit the design and construction of apparatus, with ranges in excess of present high-powered stations, at small initial expense and at a much-reduced cost of operation.

There has been developed also a very considerable amount of apparatus of varied character to meet the special requirements of the naval service, but which it is not in the national interest to disclose.

The collateral activities of the laboratory have included cooperation with geologists interested in oil fields and oil production; with seismologists interested in the study of earthquakes; and with astronomers and physical geographers in various parts of the world by means of time signals. From test reports received it would appear that in the very near future accurate time signals will be regularly broadcasted by the laboratory to all parts of the earth contributing to a comprehensive world survey of latitude and longitude.

I feel that a continuation and expansion of this research work is of direct benefit to the country as well as an important factor in economic national defense.

IN CONCLUSION.

The Bureau of Aeronautics during the year has continued development work in an effort to produce a three-service plane available for the new aircraft carriers. Trials have been made of such planes and the bureau reports that by the first of December it will be in a position to determine definitely the exact characteristics of this type of plane to be manufactured for the aircraft carriers. The characteristics of the fighting and observation planes for the carriers have been settled and these planes will soon be under construction. It is believed that in all types of combatant planes very definite results have been achieved during the present year, and it is hoped that, before the conclusion of next year, our experiments will result in a still better type of plane.

Those in immediate charge of the training and operation of the personnel of the Navy report that the morale of the service has never been better. This is manifest to some extent in that net desertions have decreased from 3,483 in 1923 to 991 in 1925, or about two-thirds, while reenlistments have increased from 50 per cent in 1923 to 72 per cent in 1925, thus enabling us to retain in the service men of experience who not only will be more efficient but will be of great assistance in training the recruits who take the place of those who leave the service at the conclusion of their period of enlistment.

The following is a quotation from the Annual Report of the Chief of the Bureau of Navigation, Rear Admiral W. R. Shoemaker:

The fiscal year 1925 has been marked by a return to stabilized personnel conditions such as pertained before the late war, and by a general improvement in the character and experience of the personnel, as well as in the tone of the entire Naval Establishment in its personnel phases.

The high percentage of reenlistments, the decrease in percentage of net desertions, the reports on personnel from unit commands, and the improvement in material conditions are indicators of a general improvement in the character and skill of the personnel and in its administration. The methods of operation of the fleet and the cooperation of the naval commanders afloat have contributed to the result, and the bureau is appreciative of the cooperation and effort made in the service at large to assist the bureau in carrying to a solution its personnel problems.

Enlisted personnel conditions particularly have steadily improved, and further improvement is to be expected by continuing the measures now in effect to procure, train, and administer personnel with continuous attention to the many details which contribute to successful administration.

The following extract is quoted from the report of the commander in chief United States Fleet, Admiral R. E. Coontz, United States Navy:

The discipline of the United States Fleet during the past year has been excellent. The number of cases tried by general court-martial has not increased, and these cases, with the exception of a few, have been for military offenses only. The number of summary courts-martial, deck courts, and punisments awarded at mast have not been excessive.

The behavior of the men at all places visited has been such as to elicit commendation.

Admiral S. S. Robison, commander in chief Battle Fleet, states in his annual report as follows:

The conduct of officers and men while ashore in foreign cities was excellent. Discipline in the Battle Fleet is very good.

With regard to personnel in aviation of the Battle Fleet, the commander in chief of the Battle Fleet reports:

The commissioned personnel of the aircraft squadrons are decidedly better trained than at the close of the preceding year. Greater permanency of station has been maintained during the past year than was the case heretofore. Approximately 31 additional qualified pilots are required to properly man the squadrons authorized for the coming year.

Sufficient enlisted personnel have been assigned to the aircraft squadrons throughout the year to meet their requirements. Vacancies in certain ratings have occasionally existed, but this condition exists to a greater or less degree throughout the service.

The following is quoted from the annual report of the commander, destroyer squadrons, Battle Fleet, Rear Admiral Frank H. Schofield, United States Navy:

The state of training of the personnel is excellent. The morale is high. The discipline in these squadrons is excellent. The conduct of personnel dur-

ing the visit of the squadrons to Australia and New Zealand was excellent and was favorably commented on by Australians and New Zealanders.

The commander, submarine divisions, Battle Fleet, Capt. George C. Day, states in his annual report:

In general, the state of efficiency of submarine divisions, Battle Fleet, has during the past year been high. Enlisted personnel has been sufficient, and, though received largely in an untrained state, have been trained to a state where they can efficiently operate their vessels. This, in submarines, requires a high degree of skill, and has been attained through actual operations and the conduct of classes in the various specialties. Fortunately enough experienced submarine men have been retained to properly train the new material. In view of the few and small rewards for submarine duty, which is at best strenuous and unpleasant, this fact is considered to indicate a state of high morale.

The discipline of this command is considered to be excellent. There have been no aggravated cases of liberty breaking or lawlessness and the number of desertions is negligible.

As pointed out in my last annual report, it is desirable that the equipment at the United States Naval Academy at Annapolis be fully used not only to increase the number of men available for the line but also for the staff and for the Marine Corps and with a view to increasing the number of graduates of the Naval Academy in civil life who will be available for service in time of war.

Respectfully submitted.

CURTIS D. WILBUR.

ANNUAL REPORT OF THE CHIEF OF NAVAL OPERATIONS

NAVY DEPARTMENT,
OFFICE OF CHIEF OF NAVAL OPERATIONS,
Washington, D. C., 1 July, 1925.

ORGANIZATION UNITED STATES NAVAL FORCES

There was no change in the organization of the forces afloat. Changes in assignment occurred during the fiscal year as follows:

Destroyer Division 39 proceeded to the Asiatic Station and was assigned to the Asiatic Fleet as relief of Division 38.

The *Jason* was detached from temporary duty with the Aircraft Squadrons Scouting Fleet on May 2 and proceeded to the Asiatic Station for duty with the Aircraft Squadrons Asiatic Fleet as relief of the *Ajax*.

The *Canopus* and Submarine Division 17 reported to the commander in chief Asiatic Fleet on October 12 for duty as a part of the Submarine Divisions Asiatic.

The *Beaver* and Submarine Division 16 sailed from Honolulu for the Asiatic Station June 15 and was assigned to the Submarine Divisions Asiatic.

Submarine Divisions 12 and 18 were detached from the Asiatic Fleet on October 29, proceeded to San Francisco, and reported for duty to Commander Submarine Divisions Battle Fleet. The tender of these divisions, the *Rainbow*, was detached from the Asiatic Fleet and is being placed out of commission at Philadelphia.

Destroyer Division 38 was detached from the Asiatic Fleet on May 18 and joined the Scouting Fleet.

Destroyer Division 27 proceeded from Boston on June 17 for the European Station, relieving Destroyer Division 26 on June 30.

Eagle Boat Division 1, composed of eagles *35*, *47*, and *58*, has been organized as a part of the Submarine Divisions Battle Fleet.

OPERATING FORCE PLAN

The operating force plan of seagoing forces for the fiscal year 1925 was based on an enlisted strength of 86,000 men. The following vessels were maintained in full commission with the forces afloat during the entire year:

17 battleships, first line.
4 cruisers, second line.
8 light cruisers, first line.
3 light cruisers, second line.
1 aircraft carrier, second line.
2 mine layers, second line.
103 destroyers, first line.
6 light mine layers.
80 submarines, first and second line.
9 patrol vessels, gunboats.
6 patrol vessels, converted yachts.
6 destroyer tenders.
7 submarine tenders.
1 fleet submarine, first line.
1 aircraft tender.
2 repair ships.
2 store ships.
2 colliers.
8 oilers.
1 ammunition ship.
4 cargo ships.
2 transports.
1 hospital ship.
8 fleet tugs.
25 mine sweepers.
6 miscellaneous.

The various small craft assigned to the naval districts remained practically the same as in the preceding year.

After completion of shakedown cruise and trials, the *Colorado* on September 8 joined Battleship Division 5, Battle Fleet.

On September 23 the *Florida* was placed in reserve at the navy yard, Boston, Mass.

The *West Virginia* on October 30 joined the Battle Fleet and became the flagship of the commander Battleship Divisions, Battle Fleet.

On September 8 the *Marblehead* was commissioned, proceeded on shakedown cruise, and on February 22 joined Light Cruiser Division Scouting Fleet.

On February 4 the *Memphis* was commissioned, proceeded on a shakedown cruise, and on June 23 joined Light Cruiser Division 2, Scouting Fleet.

On October 30 the *S–2* was detached from the Submarine Divisions Asiatic Fleet and placed in reserve at the naval station, Cavite.

On November 10 the *Mercy* was detached from Train Squadron 1, Fleet Base Force, and placed in reserve at the navy yard, Philadelphia.

The *Langley* having completed experimental work in connection with development of aviation, proceeded to the Pacific and on November 29 reported to the commander in chief Battle Fleet for duty with the aircraft squadrons Battle Fleet.

EMPLOYMENT OF FORCES

UNITED STATES FLEET MANEUVERS

On December 22, Vice Admiral J. S. McKean relieved Vice Admiral N. A. McCully as commander, Scouting Fleet.

The required gunnery practices were fired and the required engineering runs and competitions were held by all vessels available.

The control force proceeded to Pensacola, Fla., early in November, where various exercises were held, lasting throughout November and December.

The Scouting Fleet left the east coast early in January and proceeded to Guantanamo, where the control force joined it. Gunnery exercises were held there until the middle of February, when these forces, less all battleships except *Wyoming*, and less Destroyer Divisions 25 and 27, proceeded to the Canal Zone and transited the canal.

These forces left Balboa February 23 and proceeded up the west coast. En route, with the Battle Fleet, they engaged in fleet problem No. 5, which represented an attempt to seize and occupy an unfortified anchorage in the vicinity of enemy territory. The United States Fleet assembled in the San Diego–San Francisco area, sailing from the latter port for Hawaii on April 15. En route to the Hawaiian Islands, the fleet engaged in joint Army and Navy problem No. 3, which represented an attack on the Hawaiian Islands by a large overseas force and was designed to test to the fullest extent the defenses of the Hawaiian Islands.

The combined fleet remained in the vicinity of the Hawaiian Islands engaging in various forms of tactical exercises and maneu-

vers until June 7, when the Scouting Fleet with the exception of Light Cruiser Division 2 left for the east coast via San Diego and the Canal Zone.

The aircraft squadrons, Scouting Fleet, left Hampton Roads January 30 and proceeded directly to Hawaii. During the joint maneuvers they formed a part of the forces defending the islands. The aircraft squadrons left the Hawaiian Islands on the return trip to the east coast on June 9.

At the request of the Secretary of War, vessels of the Scouting Fleet were detailed to guard the passage of the army around-the-world fliers from England to the United States via Iceland, Greenland, and Labrador, as follows: *Richmond*, *Raleigh*, *Milwaukee*, *Barry*, *McFarland*, *Lawrence*, *Preston*, *Coghlan*, and *Charles Ausburn*. The Asiatic Fleet had guarded the flight in Asiatic waters and the destroyers *Reid* and *Billingsley* of the European forces assisted in guarding the flight from England to Iceland.

ASIATIC FLEET ACTIVITIES

The Asiatic Fleet carried out the prescribed forms of gunnery exercises and engineering performances. The vessels of this fleet were employed frequently for the protection of American lives and property in China during the year.

Following the urgent appeals for protection of American shipping and trade in China, and for more adequate police protection for American missionaries in the disturbed sections, the Sixty-eighth Congress authorized funds for the construction of six river gunboats. These gunboats will be capable of operating in the upper reaches of the rivers and will be of much greater value than the old gunboats and mine sweepers they will replace.

In September and October, 1924, the operations of contending Chinese armies threatened the safety of American lives and property in the vicinity of Shanghai and the lower Yangtze River. Vessels of the Asiatic Fleet available, reinforced by marines from Guam, were employed for their protection. Acting with other powers, navigation to Shanghai was kept open and fighting in the city was prevented.

In June, 1925, due to political disturbances, practically the entire Asiatic Fleet was again employed for the protection of American lives and property in the coast cities and on the Yangtze and West Rivers.

The *Heron* was commissioned and on December 18 assigned as an additional aircraft tender to the Asiatic Fleet.

FORCES IN EUROPE

During the fiscal year, the naval forces operating in European waters consisted of the *Pittsburgh* and Destroyer Division 26.

As formerly, vessels in European waters acted in cooperation with the State Department, and were engaged primarily in showing the flag on the entire European and north African coast.

The *Scorpion*, although infrequently at Constantinople, continued to act as station ship in the eastern Mediterranean with additional duty as flagship of Rear Admiral Mark L. Bristol, high commissioner to Turkey.

Vessels of the European station engaged in those forms of target practice and engineering competitions permitted by the duty they were performing.

SPECIAL SERVICE SQUADRON

As in previous years, the Special Service Squadron was engaged in protecting American lives and property in Central America.

Rear Admiral J. H. Dayton was detached from command of the Special Service Squadron March 13, 1925. Rear Admiral J. L. Latimer assumed command of the Special Service Squadron May 30, 1925.

At various times during the year, vessels of the Special Service Squadron obtained data for the Hydrographic Office.

Vessels of the Special Service Squadron completed all forms of target practices and engineering competitions.

PARTICIPATION IN PATRIOTIC CELEBRATIONS

The demand for Navy representation at the celebrations in various localities continued much as during the previous fiscal year. On the occasion of national holidays and on Navy Day, October 27, all available vessels were distributed to the various ports on the Atlantic and Pacific coasts.

While it has been the policy to grant requests for participation in local partiotic celebrations whenever practicable, it is desired again to repeat that the question of fuel consumption in connection with sending vessels to and from the ports concerned has become a matter of importance. It must be borne in mind that fuel consumed in this manner is not available for strictly naval purposes.

SHAKEDOWN CRUISES

During the fiscal year four newly commissioned light cruisers and one cruiser type submarine made shakedown cruises.

In accordance with the principle of giving crews of vessels every opportunity of visiting foreign stations, the shakedown cruises included whenever possible visits to foreign ports.

The *Raleigh* left Cape Cod Bay on July 1 on a shakedown cruise scheduled to include the following ports: Christiania (now Oslo), Norway; Copenhagen; Rosyth; Gravesend; and Cherbourg. Because of the flight by the Army aviators across the Atlantic, it was necessary for the *Raleigh* to omit Gravesend and Cherbourg, and assist in guarding the flight from England to Labrador.

The *Trenton's* shakedown cruise, which commenced during the last of the fiscal year, circumnavigated Africa. Upon arrival in Naples the *Trenton* was directed to return to Bushire in the Persian Gulf and receive the body of the late Vice Consul Imbrie and transport it to Washington, D. C.

The *Marblehead* upon her completion visited on her shakedown cruise Southampton, Marseille, Algiers, Gibraltar, and Funchal, returning to Boston, Mass.

The *Memphis* took a short shakedown cruise in the West Indies. A visit was made to Trinidad, where the commanding officer participated in the ceremonies incidental to the dedication of a memorial

gateway in memory of Commodore Oliver Hazard Perry. This vessel's shakedown cruise was shortened in order that she might complete her final trials and participate in the Australian-New Zealand cruise.

The cruiser type submarine *V–1* left the navy yard, Portsmouth, N. H., on January 13 on a shakedown cruise, which included operations throughout the West Indian Islands, basing on Colon. The trips were intended to test out the cruising ability of this type of vessel.

U. S. S. UTAH

The U. S. S. *Utah*, with Gen. J. J. Pershing, United States Army, on board as head of United States mission, visited Peru in connection with the centennial of the Battle of Ayacucho. Rear Admiral J. H. Dayton, United States Navy, commander of the Special Service Squadron, was a member of the mission. The *Utah* sailed from Tompkinsville, N. Y., on November 22 and proceeded to Callao, Peru, for the celebration, which was held from December 7 to 20. The mission left the *Utah* at Valparaiso and proceeded by rail to Buenos Aires. The *Utah* proceeded through the Straits of Magellan to Montevideo, where the mission reembarked, and returned to the United States, visiting en route Rio de Janeiro, Trinidad, La Guaira, and Habana. The *Utah* arrived at New York on March 13 and disembarked the mission.

SANTA BARBARA EARTHQUAKE

Upon receipt of information of the earthquake at Santa Barbara, Calif., June 29, instructions were sent to the commandants eleventh and twelfth naval districts and to the commander Midshipmen's Practice Squadron to lend every possible assistance in the stricken area.

In compliance with these instructions eagle *34* and the district tug *Koka*, with medical personnel and supplies, were dispatched on June 29 from San Diego to Santa Barbara, arriving the same day. The *Arkansas*, one of the vessels of the Midshipmen's Practice Squadron, arrived at Santa Barbara about 3 a. m. on the 30th. The *McCawley*, *Pinola*, *Algoma*, and *Sonoma* were dispatched from San Francisco with emergency supplies.

The *Arkansas*, *McCawley*, and eagle *34* landed a bluejacket patrol for the policing of Santa Barbara and established a temporary radio station ashore for transmission of messages. On July 1 the patrols were relieved by a battalion of marines from San Diego, who were assigned police duties in Santa Barbara. The marines will remain until conditions become normal.

On July 2, as the situation was well in hand, all vessels were withdrawn from Santa Barbara.

MIDSHIPMEN'S PRACTICE CRUISE

During the summer of 1924 the Midshipmen's Practice Squadron, consisting of the *Wyoming*, *Arkansas*, *New York*, and *Texas*, visited European ports.

During the summer of 1925 the Practice Squadron, consisting of the *New York*, *Arkansas*, and *Utah*, left Annapolis with the midship-

men on June 6, transited the Canal, and visited the principal west coast ports.

LOS ANGELES AND SHENANDOAH

THE SHENANDOAH

During the month of July, 1924, the *Shenandoah* operated in the vicinity of Lakehurst, N. J., testing out machinery and new water recovery apparatus. These tests proving successful, the *Shenandoah* was directed to report to the commander aircraft squadrons Scouting Fleet for experiments in mooring to and basing on and fueling from a mobile base, and in the practicability of utilizing a large dirigible as a scouting unit of the fleet.

On August 8, the *Shenandoah* successfully moored to the mooring mast on the *Patoka.* Though the dirigible remained at the mast only an hour before returning to Lakehurst, it was demonstrated that under average conditions the use of the ship as a mobile base was feasible. The *Shenandoah* then engaged in scouting problem in connection with the Scouting Fleet.

On October 7, the *Shenandoah* commenced her flight to the Pacific coast, making a voyage from Lakehurst, N. J., to Camp Lewis, Wash., via Fort Worth, San Diego, and San Francisco, and return to Lakehurst by the same route. The flight was accomplished very expeditiously and successfully.

THE LOS ANGELES

The German-built dirigible *ZR–3* left Friedrichshafen, Germany, manned entirely by a German crew, with a few United States naval officers and one Army officer on board as observers on October 12, and after a continuous flight via the Azores and Nova Scotia arrived at Lakehurst on October 15, where the dirigible was taken over by the Navy Department. The object of operating the *Los Angeles* is to test the possibility of utilizing a lighter-than-air ship as a commercial carrier for both passengers and cargo.

After hydrogen gas had been replaced by helium, and repairs had been completed, the *ZR–3* was, on November 19, christened *Los Angeles* by Mrs. Calvin Coolidge, at Washington, D. C., and placed in commission. During the remainder of the fiscal year the *Los Angeles* was engaged in making practice flights and basing at times on the *Patoka.* These flights included, in addition to local flights in the vicinity of Lakehurst, two flights to Bermuda, and one flight to Porto Rico and the Virgin Islands. On the Porto Rican flight, the *Los Angeles* based on the *Patoka* for three days and made several flights in the vicinity of the West Indies before returning to Lakehurst. The second Bermuda flight and the Porto Rican flight were carried out in a very satisfactory manner.

MAJOR ACCIDENTS

During the current fiscal year the following major accidents occurred:

The submarine *R–1* grounded on October 28 on a reef 3 miles east of Barbers Point, Oahu, Hawaiian Islands. Due to the pounding

of the surf, it was necessary to remove all the crew and to employ tugs of the Commercial Salvage Co. These tugs, assisted by the *Seagull*, floated the *R–1* on October 31 and towed her to the navy yard, Pearl Harbor, where she was docked on the marine railway. There were no casualties to personnel and the damages to the hull and machinery were repaired in three months and the vessel placed back into service.

The submarine *S–19* grounded on January 13, 5 miles south of Nausett, Mass., during a thick fog. The crew was removed from the submarine and an effort made to float her by using naval tugs. These efforts were unsuccessful, and a contract was awarded to the Merritt Chapman Wrecking Co. to float the *S–19*. The vessel was floated on March 18 and towed to the navy yard, Boston, where she was docked and examined to determine the extent of damages. In this accident there were no casualties to personnel.

The submarine *S–48* grounded on the rocks to the southward of the entrance to Portsmouth, N. H., on January 29, while attempting to enter that harbor at night during a gale and snowstorm. Under her own power and aided by the seas the submarine got off the rocks but was driven ashore in Little Harbor. All the crew were removed without casualty when the seas subsided. The vessel was floated on February 7, towed to the navy yard, and placed in dry dock.

NAVAL TRANSPORTATION SERVICE

At the beginning of the fiscal year 1925 the Naval Transportation Service had in regular active service 10 vessels: 1 collier, 2 oilers, 2 transports, 1 ammunition ship, and 4 cargo vessels. This number remained unchanged throughout the year. In addition to these, the *Argonne* was completing her last voyage as a transport and was assigned as a submarine tender on her arrival at San Francisco; the *Gold Star* was making her last Alaskan voyage as radio tender, and on her return received the refrigerating plant from the *Newport News* at the navy yard, Mare Island, and was sent to Guam as station ship, relieving the *Pensacola*.

The Naval Transportation Service vessels have been engaged in their normal occupations throughout the year. The *Orion* and *Jason* alternated between duty with the Train and the Naval Transportation Service. When the modernization of the coal-burning battleships was authorized, including the conversion to oil burners, it was decided that one collier could be spared, and the *Jason* was sent to the Asiatic Station to relieve the *Ajax* as tender to the Aircraft Squadrons.

The two Naval Transportation Service oilers are used primarily, one in the Atlantic and one in the Pacific, for transporting fuel oil from production points to naval storages. Considerable savings in the appropriation for fuel and transportation are effected by this procedure, as we are enabled to take advantage of favorable contract prices. At the same time these vessels are of great military value. At times of assemblage of the fleet for joint maneuvers or for extended cruising, such as the coming cruise to Australia, the services of the *Ramapo* and *Sapelo* are required with the fleet. During a stay of the fleet in home waters it is necessary to utilize the fleet oilers to assist in filling the storages.

One transport, the *Chaumont*, is engaged in the trans-Pacific service and is operated at capacity. The other, the *Henderson*, is used for carrying expenditionary forces during maneuvers, in the West Indian service and for general use. She is at present carrying enlisted men from the east coast training stations and recent graduates of the Naval Academy to join the fleet before the Australian cruise, and also is affording transportation to several members of the Committee on Naval Affairs of the House of Representatives who wish to inspect the fleet and Pacific naval stations.

The ammunition ship has been kept busy in transporting ammunition and ordnance equipment from coast to coast and to the fleet. This vessel is operated continuously at maximum capacity.

The two large cargo vessels, the *Sirius* and *Vega*, operate from coast to coast, carrying guns between the Gun Factory at Washington and Puget Sound, where the vessels of the Battle Fleet are regunned from time to time. In addition, these vessels carry naval freight of all descriptions, and are especially valuable in transporting heavy weights and large pieces, such as gun mounts, boilers, etc., for which an extremely high rate must be paid commercially, and for which frequently no commercial transportation could be obtained. These vessels are always loaded to capacity on their westward sailings and carry considerable cargo eastbound. In addition, they carry officers and enlisted men for whom otherwise commercial transportation would have to be paid. The two small cargo vessels, the *Kittery* and *Beaufort*, are occupied in keeping the isolated West Indian stations supplied. Commercial transportation for personnel to these ports is poor and irregular and considerable quantities of explosives and inflammables are required.

It has been found necessary to send a naval cargo and passenger vessel to Alaska this summer, and the *Vega* will make the voyage. It was intended to use commercial transportation this year, but the requirements of other branches of the Government, especially the Bureau of Fisheries, are of such a peculiar nature, and commercial transportation is so unsatisfactory and inadequate, that at the request of the chief coordinator of the Bureau of the Budget the Navy agreed to furnish the necessary transportation.

Altogether, the Naval Transportation Service is filling a very important and necessary part in the naval organization. These vessels are not only a necessary adjunct to the fleet and the shore establishments but they pay their own way. A skeleton organization is maintained which, in time of national emergency, can be expanded more quickly and efficiently than a whole new organization could be built up. Officers and men are given experience in a little known branch of naval activity, and such experience will prove invaluable in time of rapid expansion.

FUEL AND TRANSPORTATION

The appropriation for fuel and transportation during the fiscal year ending June 30, 1925, was $14,500,000. The schedule of activities of the fleet and the high price of fuel made it apparent that there would be little or no surplus left at the end of the year. In order to get the maximum benefit out of the appropriation, the commander in chief, United States Fleet, and the commanders of inde-

pendent forces were kept informed monthly of the state of the appropriation, both in actual expenditures and in comparison with the previous year. In this way the Navy was enabled to carry out its employment schedule without overexpenditure.

VESSELS PLACED IN COMMISSION

During the fiscal year ending June 30, 1925, the following vessels were placed in commission:

Light cruisers, first line:
- Marblehead.
- Memphis.

Submarines:
- V–1, S–42, S–43, S–44, S–45, S–46.

Ocean tugs:
- Algorma.
- Challenge.

Harbor tugs:
- Active.
- Diligent.

Destroyers:
- Hazelwood.
- Dallas.

Destroyer tenders:
- Dobbin.
- Whitney.

Repair ship:
- Medusa.

Mine sweeper:
- Heron.

Lighter-than-air:
- Los Angeles.

VESSELS PLACED OUT OF COMMISSION

The following ships have been placed out of commission during the fiscal year ending June 30, 1925:

Cargo ships:
- Capella.
- Newport News.
- Pensacola.

Repair ship:
- Prometheus.

Ocean tugs:
- Patapsco.
- Patuxent.
- Tadousac.
- Iroquois.

Submarines:
- O–5, R–22, R–23, R–24, R–26, R–27, S–48.

Destroyer tenders:
- Denebola.
- Bridgeport.

Ammunition ship:
- Pyro.

Store ship:
- Rappahannock.

VESSELS PLACED IN RESERVE

The following vessels have been placed in reserve or in reduced commission during the fiscal year:

S–2 in reserve.
Mercy in reserve.
Florida in reduced commission.

VESSELS STRICKEN FROM NAVY LIST

The following vessels were stricken from the Navy list during the fiscal year:

Cargo vessels:
- Newport News.
- Pensacola.

District craft:
- Helora (Sp. 181).
- Cyane.
- Shadyside.

Submarines:
- L–5, 6, 7, 8.

Freight lighter:
- YF–176.

Harbor tugs:
- 49–50–54–69–81.

WAR PLANS

The War Plans Division has continued its work of preparation and maintenance of basic war plans for the development and main-

tenance of the naval forces in a state of readiness for war and for operating in war. This work has necessitated close cooperation with other offices and bureaus of the Navy Department in the preparation of their contributory plans.

This division has cooperated with other bureaus and offices of the Navy Department in such matters as characteristics of new ships, problems for testing the capabilities of lighter-than-air craft, and membership on various boards, chief of which was the Board for Development of Navy Yard Plans.

Liaison with the Department of Commerce was maintained in the matter of surveying strategic harbors, and in obtaining logistic data.

Liaison with the Shipping Board was maintained in connection with the Naval Transportation Service, and for the purpose of obtaining logistic data.

Increasing demands have been made in the work of coordinating the plans and policies of the War and Navy Departments through membership of the War Plans Division on the Joint Board, the Joint Planning Committee, Munitions Board, and Aeronautical Board. Material assistance has been rendered in this work of Army and Navy coordination.

In addition to the above, the division has submitted recommendations regarding questions of policy having a bearing on approved basic war plans, and has been the department's liaison agent with the Army and Navy War Colleges.

The division personnel, in their capacity as representatives of the War Plans Division, have:

(*a*) Acted as umpires in the joint maneuvers;

(*b*) Assisted the Army War College in the preparation of plans, and as umpires in the War College games;

(*c*) Delivered several lectures; and

(*d*) Prepared various articles on naval topics.

FLEET TRAINING

TACTICS

During the year progressive tactical exercises were carried out in the various units of the United States Fleet. In addition, two problems were carried out by the United States Fleet, the latter being in conjunction with the naval and military forces at Hawaii. These exercises have been of decided benefit, and much interest has been shown in tactical and strategical maneuvers.

The Asiatic Fleet has progressed in both tactical and strategical training for its special employment.

GUNNERY

The usual forms of gunnery exercises have been carried out, together with a number of exercises designed to simulate advanced gunnery methods. The need of a radio-controlled target for certain gunnery problems has again been emphasized.

While the performance of a few ships has been unsatisfactory, the results obtained, as a whole, have been excellent and show a continuing improvement.

SMALL-ARMS TARGET PRACTICE

In general there has been a noticeable improvement in the interest taken in and the results obtained from small-arms training. The Navy is greatly handicapped in this form of training because of lack of ranges in the vicinity of the working area of the Battle Fleet. Arrangements have been made with the War Department for the use of the rifle range at Camp Lewis by the personnel of ships in the Puget Sound area. This is a decided advantage, but is not entirely satisfactory, due to the difficulties in transporting men to the range, the loss of time involved, and the limited number of men that can be accommodated.

Navy personnel during the year have participated in the following rifle matches:

Olympic matches.
International matches in Switzerland.
National matches and matches of the National Rifle Association at Camp Perry, Ohio.
Pan-American matches at Lima, Peru.
Scouting Fleet championship matches.
Argentine-United States Navy match at Wakefield, Mass.
Battle Fleet intership team competition at Mare Island.

ENGINEERING

There has been a steady improvement in engineering economy and efficiency during the year. Immediate supervision of engineering performances has been extended to include practically all vessels of the auxiliary type. Heretofore these vessels were not entered in the engineering competition due chiefly to their lack of homogeneity.

On October 1, 1924, 123 auxiliary vessels, including mine sweepers and vessels of the ocean-going tug type, were placed in the engineering competition. This caused more intimate supervision of their engineering performances, a direct knowledge of their efficiency and economy, information in regard to the material condition of the machinery installation, and an increased interest by the personnel in the steaming efficiency of their ships.

The submarines have shown a decided improvement in fuel economy, reliability, and availability.

MATERIAL CONDITION OF THE FLEET

GENERAL

Due to the inadequacy of funds for complete upkeep of the fleet, it was necessary to require their application chiefly to repairs, and to limit the alterations to be undertaken on any ship to those for which special allotments were made by the bureaus concerned. These instructions were promulgated August 14, 1924. The general result has been that the material condition of ships in and out of commission, as a whole, has been somewhat improved. But many alterations of military value have been held in abeyance, due to lack of sufficient funds.

Every effort continues to be directed toward expenditures for upkeep only. The only purpose of any alteration is to effect improve-

ment. Naval science, in which the United States has so long led, constantly demands improvements, but the funds available do not permit making the improvements desired.

It is obvious that the maintenance of the industrial shore establishments in excess of the material needs of the fleet makes heavy inroads on funds. This condition will always result from the operation of any plant at other than maximum capacity. The work loads at none of the industrial yards during the past year have approximated more than one-half of the physical capacity of the plant. The same is true of the maintenance of purely military stations in reduced operations.

As the fleet itself is the paramount consideration, any expenditure of national funds which does not have a direct bearing on the maintenance of the fleet is unwarranted and should not be incurred.

BATTLESHIPS

During the fiscal year the *Utah*, *Wyoming*, *Arkansas*, *New York*, and *Texas* have received overhauls at yards on the east coast; the *Nevada*, *Arizona*, *New Mexico*, *Mississippi*, *Idaho*, *Maryland*, *Pennsylvania*, and *Colorado* at Puget Sound. The *Tennessee* was given a partial overhaul by the repair ship and forces afloat. The *Colorado* and *West Virginia* have joined the Battle Fleet. The modernization of the six coal-burning battleships has been authorized and work has begun on the *Florida*. Work on the *Arkansas* will begin about September 1 and on the *Texas* about August 1. Engineering alterations under special appropriation and other alterations to improve the military efficiency have been accomplished as funds permit.

CRUISERS

The work on the cruisers has not been as extensive as on the first-line ships. Work of reboilering the *Seattle* has been completed. The *Rochester* is operating under natural draft only. New blowers are available when funds permit of their installation.

The *Marblehead* and *Memphis* were delivered during the current year. Alterations to improve living conditions were undertaken on the *Raleigh*, *Detroit*, *Trenton*, and *Memphis*. The *Raleigh* and *Detroit*, due to defective turbines, have not yet become reliable units of the fleet. The contractors and the Bureau of Engineering are conducting investigations and tests with a view of correcting these defects.

GUNBOATS

Gunboats have received routine overhauls and are in good condition except the *Pampanga*, now assigned to the South China patrol of the Asiatic Fleet. The hull of the *Pampanga* is in poor condition, due to the age of that vessel.

DESTROYERS

The destroyers in United States waters have received their annual two months' overhaul in accordance with the recommendation of the commander in chief, United States Fleet.

During these overhauls these ships have received urgent repairs and such alterations as the remaining funds permitted.

The policy of effecting repairs in United States navy yards to ships assigned to foreign stations has been adhered to, and pursuant to this policy Divisions 39 and 27, ordered to Asia and Europe, respectively, were overhauled during the fiscal year. Upon being relieved on the Asiatic station in June by Division 39, Division 38 is returning to the Atlantic after being on foreign station since early 1920. This division is to have the latest fire control installed in furtherance of this project on destroyers in commission.

The reports from the Asiatic Fleet indicate that the material upkeep of destroyers assigned to that fleet has been satisfactorily maintained by the navy yard, Cavite, and the destroyer tender *Black Hawk*.

The *Hazelwood*, at Mare Island, and the *Allen*, at Philadelphia, are being overhauled for placing in service with the Naval Reserve Force.

The care and preservation of the decommissioned destroyers at San Diego and Philadelphia has been satisfactorily maintained. In addition to this maintenance, progress in overhauling and repair has been made at San Diego by the personnel of the tender *Rigel* and the men on general detail assigned to that ship. At Philadelphia, where an enlisted personnel is not available for the purpose, little headway has been made in overhaul and repair because of scarcity of funds.

The project of the segregation, repair, and completion of emergency commissioning outfits for the decommissioned destroyers at Philadelphia has been delayed by the lack of funds, but progress is now being made on those groups to be first commissioned.

The repair and outfitting of the 20 destroyers transferred to the Coast Guard by the act of Congress approved April 21, 1924, was completed June 30.

DESTROYER TENDERS

The new destroyer tender *Dobbin* was commissioned July 23, 1924, as tender to Destroyer Squadron 14. The new destroyer tender *Whitney* was commissioned September 2, 1924, as tender to Destroyer Squadron 9. These new tenders should increase the extent and improve the efficiency of repairs by the forces afloat. Their speed is such as to enable them to accompany the fleet at destroyers' economical speed.

MINE LAYERS AND MINE SWEEPERS

The ships of these types have received navy-yard overhauls, the *Grebe* and *Woodcock* being recalled from the Caribbean to be overhauled in United States navy yards.

The *Heron* was repaired and commissioned at Cavite December 18, 1924, for service as an auxiliary tender for the aircraft squadrons, Asiatic.

AIRCRAFT TENDERS

On account of the lack of accommodations for the commissioned personnel on the *Langley*, the mine layer *Aroostook* has been retained

with the aircraft squadrons, Battle Fleet, until a more suitable flagship and tender is available.

On account of the poor material condition of the *Ajax*, aircraft tender of the Asiatic Fleet, it was decided to transfer the collier *Jason* to the Asiatic station to relieve the *Ajax*. The *Jason* proceeded from Hawaii in May. After being relieved, the *Ajax* will be decommissioned and sold on account of her poor material condition, in accordance with the recommendation of the Board of Inspection and Survey.

TRAIN SHIPS

The hospital ship *Mercy* was placed in a reserve status at the navy yard, Philadelphia, on December 1, 1924. Steps are now being taken to accomplish repairs essential to operate with the Scouting Fleet in southern waters beginning September 1, 1925.

The submarine tender *Rainbow* returned from the Asiatic Station on December 31, 1924, with Submarine Divisions 12 and 18. Special equipment was transferred to the *Argonne* at the navy yard, Mare Island, and the *Rainbow* proceeded to the navy yard, Philadelphia. After inspection by the Board of Inspection and Survey, the *Rainbow* was ordered decommissioned, retaining her for possible future use in connection with oceanographic survey work.

NAVAL RESERVE SHIPS

The *Illinois* was completed at the navy yard, New York, on December 15, 1924, as a floating armory for the use of the Naval Reserve (Naval Militia) State of New York. The general material condition of ships assigned to the training of Naval Reserve force is good. All of these ships were made available during the year for necessary repairs and alterations.

MISCELLANEOUS AND DISTRICT CRAFT

During the war large quantities of floating equipment were acquired and as the needs of the Navy since that time have been reduced, replacements have not been urgently necessary. However, the surplus stock is about exhausted and a great many of the craft included under floating equipment are very old and becoming in need of replacement.

The conversion of the six coal-burning battleships in the Atlantic to oil burners increases the necessity for replacing oil barges, the provision of which must be considered in the near future.

If the average life of district craft carried in the ship's data book be considered as about 20 years, it is estimated that it is necessary to expend about $2,000,000 per year in replacements. The upkeep cost on old district craft is excessive considering their value.

The U. S. S. *Oregon* has been loaned to the State of Oregon as a naval relic and towed to Portland, Oreg. The ship will be fitted for exhibition purposes; necessary funds for maintenance will be provided by the State of Oregon.

Authority was granted in the act of March 4, 1925, for the Secretary of the Navy to accept and use any donations or contributions which may be offered for the repair and restoration of the frigate

Constitution. No money was appropriated for this work and no limit of cost was fixed in the act.

SUBMARINE TENDERS

The material readiness reports from the operating forces indicate a steady improvement in the condition of the various units. Due to limited funds available, alterations intended to improve the military characteristics and made necessary as a result of experience gained during the war, are proceeding slowly. Repairs are kept up on all submarines and alterations completed on one division at a time as funds are available.

The *Argonne* and *Chaumont* were on August 6, 1924, transferred to the Navy by Executive order. The *Argonne* was withdrawn from the Naval Transportation Service on August 22, and was selected for conversion into a submarine tender for submarines of Division 20 (V class). Plans for conversion have been approved by the Secretary of the Navy and work will be completed about April 1, 1926.

NEW CONSTRUCTION

The *Saratoga* and *Lexington*, originally laid down as battle cruisers, are now under construction and will be completed as aircraft carriers. The *Saratoga* was launched on April 7, 1925. Construction on the *Saratoga* and *Lexington* has been progressing at the rate of about 1.4 per cent a month. Delivery is scheduled for about the end of the calendar year 1926.

The submarine tender *Holland* is being completed at the navy yard, Puget Sound. She will probably be completed during the coming fiscal year.

Fleet submarine *V–2* will be commissioned about August 1, 1925, and the *V–3* about February 1, 1926. The *V–3* was launched on June 9. The keel for the *V–4* has been laid and work is proceeding satisfactorily. Plans for the *V–5* and *V–6*, the only other new construction in submarines, have been approved and active work is now ready to begin.

Authority was granted by Congress in the act of December 19, 1924, for the construction of six river gunboats and eight light cruisers. Provision was made in the act of March 4, 1925, for necessary funds to construct the gunboats, two light cruisers, and for the construction of two fleet submarines which had previously been authorized.

EFFECTS OF STATUTORY LIMIT OF REPAIRS

It is again recommended that consideration be given to the unsatisfactory effect of the present statutory limit for repairs undertaken on capital ships.

The major units of the fleet are to remain such throughout a long period of the Limitation of Armament Treaty. The cost of work required to keep these battleships in efficient material condition increases with the advancing age of the ships. In the cases of the six battleships which are to receive some important items of modernization, it is obviously most important that each ship be brought, as a

whole, to the highest practicable state of material condition, so that the finished products will be substantial increments to the fighting strength of the fleet. The present limitation restricts all ordinary overhaul expenditures to $300,000. In the cases of the ships mentioned, this restriction will not permit the complete realization of the desired condition. In this connection, the existing statutory limit was imposed when both labor and material costs were much less than at present. Through the operation of the budget system, wherein all items of work are carefully scrutinized and expenditures safeguarded, unnecessary expenditures can be readily checked. The setting up of a project to accomplish repairs is as productive of economy as the setting up of a project for the accomplishment of improvements. The opinion is again expressed that the removal of the statutory limit in the cases of battleships with the resultant flexibility will eventually effect increased battle efficiency.

YARDS AND WORK LOADS

Attention is invited to the inroads on general expenditures through maintaining in active commission more industrial yards on the Atlantic seaboard than are required to maintain the fleet during peace time. Based on results attained in the Pacific, wherein the bulk of the fleet is based, it is indicated that three yards could perform all the work essential to the maintenance of the Scouting Fleet. More than ever before the yards on the Atlantic seaboard, due to the prolonged operations of the fleet elsewhere, feel the effect of the light work load which renders it more difficult than ever before to maintain working forces intact.

COMMUNICATIONS

The Naval Communication Service is maintained to provide communication within the Naval Establishment both afloat and ashore. It has cognizance over all methods of communication in vessels of the fleet, including radio, visual, sound, and pigeons. It also has cognizance over an extensive radio system ashore maintained primarily to provide service to the fleet. In addition, it prepares and issues all publications pertaining to codes; it distributes to the service and accounts for all confidential publications issued by the various bureaus. The shore system consists in general of the following stations: Nine high power stations, 23 medium power stations, 58 low power stations, and 57 radio compass stations.

RADIO STATIONS

During the fiscal year the following changes have occurred in the shore stations of the Naval Communication Service:

Stations closed:

Galveston, Tex. Sold to the Radio Corporation of America.
Portland, Me. Closed to traffic only.

Stations opened:

Destruction Island, Wash. (Radio compass.)
Point St. George, Calif. (Radio compass.)

Stations transferred:
St. George, Alaska, to Bureau of Fisheries.
Navassa Island, West Indies, to Bureau of Lighthouses.
San Domingo, Dominican Republic, to Dominican Government.
Juneau, Alaska, to the Army.
Gloucester, Mass., to Thatchers Island, Mass.
Coco Solo, Canal Zone, to Toro Point, Canal Zone.
Stations under construction:
Galveston, Tex. (Radio compass.)
Cape Mala, Canal Zone. (Radio compass.)
Miscellaneous:
Kodiak, Alaska, authorized advertisement for sale or lease.
St. Augustine, Fla., lease authorized.
Miami, Fla., lease to Tropical Radio Telegraph Co. extended six months.
Morehead City, N. C., authorized to be closed when tube transmitter is installed at Cape Lookout.
Marshfield, Oreg., authorized to be colsed when tubes are installed at Empire City, Oreg., and Eureka, Calif.

The Navy Department communication office has been equipped to handle ship to shore communications, thus taking much traffic that was formerly handled by coastal stations and avoiding delays inherent to relays.

FLEET COMMUNICATIONS

Communications in the fleet have shown noteworthy progress over results of last year. Though funds have permitted but few improvements in material, progress has been due to greater and more satisfactory results obtained by operating personnel, both commissioned and enlisted with the old and sometimes obsolete material. Radio communication, particularly in submarines and aircraft, has improved. Radio and visual signaling competitions in the fleet have benefited fleet communications and have had a certain bearing on improvement in sound signaling.

SHORE COMMUNICATIONS

The radio traffic stations of the shore communication system are gradually improving. The obsolete spark apparatus and the obsolescent low-powered arcs are gradually being replaced with modern tube equipment as rapidly as funds become available. However, as with the fleet, improvement at shore stations has been due largely to better results being obtained by the operating personnel with the old material.

HIGH-FREQUENCY CIRCUITS

The outstanding progress made during the past year has been the development of high-frequency circuits and the handling of considerable traffic by that means. The increase in traffic handled by high frequency during the last half of the year has been phenomenal. Almost every naval station and a large number of naval vessels, including some assigned to the Naval Reserve, have constructed high-frequency sets which have been used advantageously in procuring data and conducting tests in high-frequency communication.

The interest of the American Radio Relay League has been enlisted in naval high-frequency work. An official of the league, in the Naval Reserve, was placed on active duty and detailed to the fleet to conduct extensive high-frequency tests afloat during recent maneuvers and the present cruise to Australia, with high-frequency sets. These tests are now in progress and have already given valuable results and large amounts of traffic have been moved by means of this apparatus.

Regular traffic has been exchanged on high frequencies between Washington, D. C.; Balboa, Canal Zone; San Francisco, Calif.; San Diego, Calif.; Honolulu, Hawaii; Tutuila, Samoa; and the United States Fleet. Although the work has been experimental and is as yet by no means fully reliable, it has effected a considerable saving in power through nonuse for long periods of the high-power transmitters. In addition to this, traffic has been moved on high frequencies at times when, owing to static conditions, the normal frequencies were impossible of use, thus effecting savings on land-line tolls.

COMMUNICATIONS FOR OTHER GOVERNMENT DEPARTMENTS

Besides handling naval communications, the Naval Communication Service also handles free of charge a considerable volume of communications for other Government departments. Commercial traffic is also handled at prescribed rates under limitations prescribed by law, which provides that this class of traffic can not be handled when commercial or private stations can handle it satisfactorily. During the year the communication office in the Navy Department alone handled a total of 11,856,046 words, of which 3,072,639 words was traffic for other Government departments.

TRAFFIC AGREEMENTS

In anticipation of the discontinuation of cable service to the Virgin Islands, on April 1, 1925, a radio circuit was established by the naval radio stations San Juan, P. R., and Charleston, S. C., for the handling of commercial dispatches between the Virgin Islands, the United States, and Canada. However, due to the fact that the West India & Panama Telegraph Co. desired to continue cable service to the Virgin Islands, this circuit was temporarily suspended on May 2, 1925, until further notice.

On April 8 a traffic agreement with Venezuela to go into effect May 1, 1925, provided for a radio circuit between the naval radio station at San Juan and the Venezuelan radio station at Caracas for handling Government and commercial dispatches. It was temporarily suspended on June 23, 1925, due to urgent repairs to Caracas station.

On June 15, 1925, a radio circuit was inaugurated between the naval radio station, Tutuila, Samoa, and the French radio station at Papeete, Tahiti, for the handling of Government and commercial messages.

Agreements have been entered into between the Naval Communication Service and the Tropical Radio Telegraph Co. for handling Government and commercial traffic between Navy ships at sea and points in Panama and Nicaragua. This traffic is routed via the naval radio station at Balboa and the Tropical Radio Telegraph stations at Managua and Bluefields.

FISCAL

Due to charges and collections for commercial traffic during the year, there has been deposited into the Treasury of the United States $250,000.

ARMY AND NAVY COOPERATION

The policy of the joint use of facilities of the Army and Navy by both services was continued during the year. The stations now jointly operated by the Army and the Navy are: The Washington System, including the naval radio stations at Annapolis, Arlington, and Sayville; Colon, Canal Zone; Great Lakes, Ill.; and Bremerton, Wash. The Navy operates entirely the Army radio station at Brownsville, Tex.; the Army operates entirely the naval radio stations at Juneau and Ketchikan, Alaska.

NATIONAL RADIO CONFERENCES

The Third National Radio Conference for the voluntary regulation of radio, held in October, 1924, under the auspices of the Department of Commerce, was attended by representatives of the Navy Department. A greater recognition than heretofore was obtained from this conference for the needs of the naval service and also for the needs of marine communication in general. Preparation for the Fourth National Radio Conference, which will probably be held in the fall of 1925, was begun and includes steps looking toward more adequate presentation of the Navy's needs.

INTERDEPARTMENTAL RADIO ADVISORY COMMITTEE

The Navy continued active participation in the deliberations of the Interdepartmental Radio Advisory Committee. This committee formulated a statement of Government radio policy which was designed in general to bring up to date the report of the Roosevelt Board of 1904 and the report of the Joint Army and Navy Board of 1923.

TELEPHONES

The Navy Department switchboard serves the Navy Department, War Department, Shipping Board, and several other Government activities.

MISCELLANEOUS RADIO ACTIVITIES

Radio compass: During the fiscal year, the Naval Communication Service continued its free radio compass service to all mariners. A total of 64,497 vessels (5,765 naval and 58,723 merchant) were furnished with 137,592 bearings. The number of vessels furnished this service shows an increase of 4 per cent over last year. The accuracy attained by radio compass installations on board ships has been increased during the year, although they can not yet be said to be entirely satisfactory.

Hydrographic: Weather bulletins were broadcast from two to six times daily from 30 naval radio stations; hydrographic bulletins were broadcast daily from 20 stations.

Time: During the year time signals were broadcast twice daily from 7 high-powered radio stations and from 10 medium-power radio stations. The special time signal operated for the Australian Government was continued.

Press: Press news was broadcast daily from 7 naval radio stations.

PIGEON SERVICE

Eleven pigeon lofts were in commission at the close of the fiscal year. These are used principally in connection with aircraft. The Navy pigeons were not entered in any races during the year, due to nonmembership in the racing clubs. The Association of Racing Clubs has readmitted the loft at Anacostia, and it is expected that the birds will be raced at the coming meet in the fall of 1925. Training flights have been conducted at all lofts. Ten of the best pigeons from the Anacostia loft were sent with the MacMillan Polar Expedition.

INSPECTION AND SURVEY OF VESSELS

The Board of Inspection and Survey is charged with all preliminary and final acceptance trials of new vessels built for the Navy, including aircraft. For aircraft it is the practice to conduct trials on the type craft. Under the act of August 5, 1882, the board is required to inspect all vessels upon their return from foreign stations or as often as once in every three years, when practicable.

The following is a brief summary of the work of the board during the fiscal year 1925:

Preliminary and official trials	10
Final acceptance trials	7
Material inspections	47
Special trials and inspections	3
Aircraft	2
Total	69

The above includes only trials and inspections conducted by the Board of Inspection and Survey itself. In addition, this office prepares and forwards papers, and receives, classifies, indexes, and distributes reports of the Pacific coast section of the board and all special boards of inspection, and all of the reports of the Joint Merchant Vessel Board. Tactical data are also under its cognizance, and, in addition, the work remaining with the board of review at the time of its dissolution.

Reports received from the Pacific coast section and from subboards to the number of 155 have been reviewed and distributed.

The work devolving upon this office by the inspections of merchant vessels (Joint Merchant Vessel Board) required the reviewing (and preparation of characteristic cards) of 45 reports, and the complete writing and distribution of a majority of the same.

The program of inspections of decommissioned destroyers provides for two every three months at Philadelphia, Pa., and for four every three months at San Diego, Calif.

NAVAL INTELLIGENCE

The general policy of the Office of Naval Intelligence is to make it a central office for the collection of information primarily of naval

value. Monographs are being prepared and information compiled for the War Plans Division of Operations, the General Board, the Naval War College, and Congress.

Naval attachés abroad are maintained at London, Paris, Rome, Berlin, The Hague, Tokyo, Peking, Buenos Aires, Rio de Janeiro, and Santiago (Chile). United States Naval Missions are maintained at Rio de Janeiro, Brazil, and Lima, Peru.

Activities in the following fields have been continued: The dissemination of information to the several executive departments and the bureaus of the Navy Department, the publication of secret information for the use of the naval service; liaison with foreign officers in the United States, particularly the foreign naval attachés accredited to this country.

The information section of the Office of Naval Intelligence has continued to carry out that portion of the naval policy in giving to the public all possible information in regard to the naval service. This office acts as liaison between the Navy and the press of the country. Press releases are given to the press associations and correspondents on equal basis. The section is compiling data on the Navy of a general informative character, which has been meeting demands from various sources of inquiry, such as universities, libraries, schools, writers of feature stories, etc. In this connection it also maintains a photograph section for illustrations to accompany stories. Data on the United States Navy and other navies, especially those connected with the Treaty of Washington for Limitation of Armament, has been compiled and issued from time to time in a ready form of reference.

The work accomplished by the historical section and library is as follows:

Very satisfactory progress has been made during the fiscal year 1925 in the work of collecting, arranging, and filing documents pertaining to the Navy's activities in the late war.

Approximately 90,000 documents were added to the archives during the year, and approximately 8 tons of rejected material placed in storage at the naval magazine, Bellevue.

These archives are becoming more valuable as the work progresses. Many inquiries are being received from outside sources and from other Government establishments for information contained in the archives. Foremost among these are the Mixed Claims Commission, the Veterans' Bureau, the Shipping Board, and the Department of State.

No additional monographs were printed, due to the action of the Joint Committee on Printing to discontinue the printing of the records of all departments in the World War until the collection and preparation of such records is completed, or nearly so, at which time the committee will consider and recommend a uniform and comprehensive plan for the printing of the records of all the departments in the World War.

The work of consolidating the general index to the Official Records of the Navy in the War of the Rebellion has been completed, and the index is now ready for printing.

Many old documents pertaining to the Navy's activities prior to the World War have been resurrected from various sources and are being systematically archived so as to make them accessible for refer-

ence purposes. In this work the same archive system is used as has been adopted for the World War period, so that ultimately the two collections may be merged. The number of inquiries which require reference to these old records is constantly increasing, and in many instances could not be answered but for the archive work already done.

The growth of the library during the past year has been limited only by the extent of the appropriation, aided by contributions from the Library of Congress. That library divides certain books received for the purpose of copyrighting among about 20 libraries, among which this library receives its share.

Subscriptions to technical periodicals for the different bureaus of the department have been limited on account of the appropriation available. In spite of continuous effort to reduce, these subscriptions require more than half of the appropriation for the purchase of books.

Requests continue to be received for sets of the "Official Records of the Union and Confederate Navies in the War of the Rebellion." Although the supply of complete sets is exhausted, such requests are granted as far as possible from the unexpended residue on hand.

The two oil paintings purchased for this office showing the "Arrival of the American Battleships at Scapa Flow" and the "Surrender of the German Fleet" were loaned by the Secretary of the Navy to the Committee on Naval Affairs and are on display in the room of the Committee on Naval Affairs, House of Representatives.

NAVAL RESERVE

Cooperation is being maintained with the Bureau of Navigation and all other bureaus and offices of the department in connection with Naval Reserve matters. The new Naval Reserve bill, H. R. 9634, has been approved and is effective from July 1, 1925.

The policy of training Naval Reserves on board vessels of the fleet has been carried out. This training is supplemented by cruises on board vessels assigned solely for training Reservists. Six destroyers of Division 6 were assigned for the cruise of Reservists on the east coast for 15 days. Reservists on the west coast made their cruise on board vessels of the Battle Fleet. Reservists of the Ninth Naval District and those of other districts made their cruises on board vessels regularly assigned to naval districts for that purpose where it was impracticable to do the sea training on board vessels of the fleet. A limited number of officers on the west coast were ordered to training duty with the fleet during the maneuvers in the Hawaiian Islands.

The Navy omnibus bill, passed this year, contained a provision for the establishment of a naval reserve officer's training corps. As soon as appropriations are made available by Congress, it is contemplated to designate several colleges or universities at which the training of Reserve midshipmen will be carried out. Upon the completion of the prescribed course, it is the intention to appoint these young ensigns in the Naval Reserve.

New regulations to carry into effect provisions of H. R. 9634 have been promulgated and have established as a mission for the Naval Reserve the procuring, organization, and training of officers and men

necessary, in event of war, for the expansion of the United States Fleet and the Naval Transportation Service. Complete organization of the fleet and volunteer naval reserve in the naval districts has been provided by the assignment of: (1) quota of officers and men, (2) definite sized organizations at specified localities, (3) reserve crews for specified vessels. This law and consequent form of organization will greatly improve the status and efficiency of the Naval Reserve and eventually make it an available and useful force.

E. W. Eberle,
Admiral, United States Navy,
Chief of Naval Operations.

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REPORT OF THE JUDGE ADVOCATE GENERAL OF THE NAVY

DEPARTMENT OF THE NAVY,
OFFICE OF THE JUDGE ADVOCATE GENERAL,
Washington, September 1, 1925.

From: The Judge Advocate General of the Navy.
To: The Secretary of the Navy.
Subject: Annual report for the fiscal year ending June 30, 1925.

From the beginning of the fiscal year until April 30, 1925, the office was under the administration of Rear Admiral Julian L. Latimer, United States Navy, Judge Advocate General of the Navy. On the date mentioned the undersigned relieved Rear Admiral Latimer, assuming the duties of Judge Advocate General and continuing in the same throughout the remainder of the year.

The business of the office has been carried on under the plan of organization in effect since June 12, 1923, a diagrammatic chart of which will be found in the appendix to this report. Among the commissioned personnel there have been the usually expected changes due to the exigencies of the service; with reasonably few exceptions the civilian personnel has remained fairly constant, although there have been some outright resignations from the office, the department, and the Government service, and some transfers to other branches. These separations have caused some concern, since the numerical strength of the authorized civilian personnel is none too great for the needs of the office, and long-continued vacancies have an inevitably detrimental effect on the work. The reasons given by employees separating themselves from service in the office have been, in general, that they were leaving in order to accept other positions of the same or similar character at remuneration higher than that which may be assigned here under limited appropriations and classification regulations. No little difficulty and delay were encountered in securing a qualified and suitable person to fill the new position, created something more than a year ago, of patent attorney. After some months an able and qualified attorney was transferred from the Patent Office. He remained on duty here three months and then resigned to accept a more lucrative position in private life. The attention to duty, zeal, and character of the work performed by the personnel of this office have been uniformly good and acceptable and have contributed largely to the easy and harmonious operation of the office.

The staff of the office is at present composed of—

Officers, Navy and Marine Corps	20
Professional and scientific service	15
Clerical, administrative, and fiscal service	28
Custodial service	3
Total	66

As has been stated in reports of other years, the tables which make up the appendix hereto present clearly and succinctly a considerable portion of the office work and obviate the necessity for any detailed description thereof. Certain other work seems best set forth in more extended reference; it is this work which is hereafter treated under general divisional headings.

Division 1

ADMINISTRATION OF JUSTICE

The title of this division is broadly descriptive of its duties. The productive output of its work is indicated, but not shown in full measure, in the tabular appendix. Generally speaking, it may be said that the operations of this division have proceeded normally and in conformity with its titular mission. Outside of the office proper this division has direct charge of the administration of naval prisons and the naval prisoners confined therein. The number and location of naval prisons in commission have not changed within the year. Pursuing the established policy relating to naval prisoners in Federal and State penitentiaries, these have been steadily reduced in number from 49 on June 30, 1924, to 28 on June 30, 1925.

Such prisoners are distributed as follows: Atlanta, Ga. (Federal), 15; San Quentin, Calif. (State), 13. Unabated efforts to increase administrative efficiency and economy have continued with gratifying results. By enthusiastic cooperation of the commanding officers the expenditure of public funds at the naval prisons continues to be kept at a low figure. In conjunction with this sustained effort for economy a prison farm has been established at the naval prison, Parris Island, S. C. This farm supplements the prison fare with its fresh produce, and the surplus is sold to the personnel attached to the station. By this means not only is a substantial saving effected in the cost of the subsistence of the prisoners, but there is also afforded useful and healthful employment to a number of them. Sanitary and hygienic conditions have been kept up to a high standard, promoting and maintaining the physical health of the inmates and reducing the cases of serious illness among them to a minimum number; and their mental and moral welfare have always been in mind, as well as their rehabilitation for honorable postprison life.

At the end of the period of report there were 1,157 naval prisoners distributed as follows: In naval prisons, 990; in penitentiaries, 28; on probation, 139. These figures compare favorably with the corresponding figures of a year ago—1,142, 49, and 228, respectively, totaling 1,419.

The probation system has been continued in satisfactory operation along the lines described in the last annual report.

In relation to the material condition of the buildings and plant at the Mare Island naval prison, the observations and recommendations of my predecessor are reiterated and confirmed, although it is well comprehended that, for reasons of economy in public expenditures, no new construction may be undertaken, or even seriously contemplated, at this present time. However, a plan is now under considera-

tion for the establishment of disciplinary barracks at several different points, to which would be sent short-time offenders in less serious cases, reserving the prisons proper for those convicted of the graver offenses. Such a plan would serve to reduce housing congestion at, and transportation expenses to, the Mare Island and other naval prisons.

The naval clemency board is composed of the Judge Advocate General, one officer from the Bureau of Navigation, one from the headquarters of the Marine Corps, and one coming recently from the fleet to duty in the department. It meets on the first Tuesday of each month to consider the cases of prisoners for whom special recommendations to clemency have been made by the commanding officers of the naval prisons. Upon approval by the Secretary of the Navy such action is taken as has been recommended in the several cases; when favorable this is generally outright release from confinement. Since the prisoners are apprised of the benefits of recommended clemency, individual conduct and prison administration are both improved thereby.

The office library, recently established and equipped, has fully justified its existence and its operation in the preparation and distribution of office publications, the briefing of the decisions of the department, the various Federal courts, the Attorney General, and the Comptroller General. The major portion of the text and reference books of the office are now classified and assembled in one room, where they are easily accessible for consultation.

Division 2

Table XXI of the appendix presents in analytic form the figures comprising the cases reviewed covering the admission, promotion, and retirement of officers of the naval service. The work in this connection, by systematic arrangement, has come to be largely routine in character, with occasional cases out of the ordinary and involving fine points of law. All this work, however, demands careful and unremitting attention. Briefly recapitulating in the text the activities of this division, it may be said that records reviewed and prepared for final action included 226 examinations for admission into the Navy, the Marine Corps, and the Naval Reserve (with the Marine Corps Reserve); 1,775 examinations for promotion within the service; and 130 for retirement from active service.

Questions involving international law and affecting the service, and legal questions pertaining to the insular possessions under the administrative jurisdiction of the department, have received attention and opinions as they have arisen.

The civil employees, of whom there are 48 now authorized, have been for the entire year classified and paid in grades, classes, and salaries established by the classification act of 1923.

Division 3

ADMINISTRATIVE AND ADMIRALTY LAW

The general remarks introducing this division's work in the report for 1924 may very aptly be repeated here.

Numerous opinions were prepared, including, among others, the following subjects: Legality of detailing officers to attend the sessions of the Institute of Politics; restoration to the active list of officers retired under section 9 of the naval personnel act approved March 3, 1899, whose restoration to the active list was authorized by name in the act of August 29, 1916, but who have since passed the maximum age limit fixed by law for officers of the active list; right of dependents of a naval officer to transportation at Government expense when the officer is ordered to make a permanent change of station; right of transferred member of the Fleet Naval Reserve to retainer pay without prejudice on account of the Government's error in discharging him from an old enlistment in the Navy four days prior to expiration of said enlistment; right of naval officers to allowances on account of dependent parents; the President's power to remit court-martial sentence of loss of numbers after the officer so sentenced has been promoted to a higher grade; status of officers detailed to naval vessels under orders to duty thereon, where the officers contend that their assignment to said vessels was primarily for passage rather than for duty; disposition to be made of money paid by naval personnel and civil employees for Liberty bonds and victory notes on which payments were not completed and the addresses of the subscribers are unknown; legality of loaning Government flags to a private club for decorative purposes; whether an officer of the Navy may legally be permitted to withdraw his resignation prior to the effective date thereof notwithstanding that it has, in the meantime, been accepted; determination of financial responsibility for Government property lost during the period when two successive officers had custody of the property and the exact time of loss is unknown; right of a naval officer to mileage for travel on Government vessel when one of the termini of the journey is outside of the United States; duty of pay clerks to give bond to the United States and duty of naval disbursing officers to satisfy themselves that their clerks have been so bonded before entrusting them with public funds; pay of court-martial prisoners convicted of theft, embezzlement, forgery, and other charges, which might result in an indebtedness to the United States; legality of detailing deputies for disbursing officers; legality of using proceeds of sales to pay salaries of civil employees; assignment of officers of the Navy and others as superintendents of naval vessels loaned to State nautical schools; enrollment of midshipmen in the Naval Reserve and limitation upon the authority of the Secretary of the Navy to prescribe uniforms for midshipmen so enrolled; method of computing service rendered by enlisted men whose transfer to the Fleet Naval Reserve is authorized only after a prescribed period of naval service; discretion of the Secretary of the Navy with reference to expenditures from the appropriation "Contingent, Navy"; legality of holding a naval reservist for trial by court-martial after expiration of the period for which he was assigned

to active duty, in a case where the offense charged was alleged to have been committed while on active duty; the law authorizing transfers of enlisted men from the Navy to the Fleet Naval Reserve has given rise to many cases involving the question of the Secretary's jurisdiction to determine with finality whether men applying for such transfer have the required qualifications; the right of the Secretary of the Navy, when reviewing the records of courts-martial, to set aside the proceedings of the courts or to remit or mitigate the sentences adjudged, with particular reference to sentences involving loss of pay, was questioned, but has been satisfactorily adjusted.

Another question which repeatedly arose during the year and which was the subject of opinions by this office involved the transportation at Government expense of dependents of commissioned, warrant, and petty officers of the Navy ordered to make a permanent change of station.

Another question considered by the Attorney General at the request of the department involved the liability of officers to civil suits for allowances received by them on account of dependents, where the accounting officers had held that dependency did not in fact exist and that the officers had been guilty of fraud in claiming and collecting the allowances in question. In a particular case the Attorney General advised the Secretary of the Navy, July 22, 1924, that the facts did not warrant the institution of a civil suit by the United States against the officer concerned, at the same time construing the statute granting the allowance in accordance with the views which had been entertained by this department. In a subsequent letter to the Secretary of the Navy, dated October 1, 1924, relating to the case of the same officer, the Attorney General decided that the facts did not warrant institution of criminal proceedings against that officer, who had been reported by the Comptroller General to the Secretary of the Navy as having violated the criminal statutes of the United States in claiming allowances to which he was not entitled. There were a large number of cases in which the Comptroller General asserted that officers of the Navy had illegally claimed and received allowances on account of alleged dependents who were not dependent in fact and insisted that their pay should be withheld in the amount of the allowances so received, for the purpose of reimbursing the United States for alleged overpayments previously made to them. After conferring with the Comptroller General on the subject, the Secretary of the Navy, on August 11, 1924, issued instructions to the naval service, known as "Twenty-four ALNAV," in which he authorized the withholding of not more than 20 per cent of the pay due such officers each month in order to accomplish the refunds demanded by the Comptroller General. Many of the officers concerned, to the number of about 75, filed suits in the courts to prevent the withholding of their pay under the Comptroller General's orders and the aforesaid "Twenty-four ALNAV," with the result that they have secured decisions in their favor in all cases so far decided.

In these cases this office has prepared the pleadings and cooperated with the Department of Justice in the defense of the suits. Test cases have been appealed and are now pending, but none of the cases has yet reached the Supreme Court of the United States. In one of the

cases the officer, who had secured a writ of mandamus requiring the payment of his current salary without deduction on account of his alleged indebtedness to the United States was transferred to another station where his accounts were carried by a disbursing officer who had not been a party to the litigation. The question thereupon arose whether the last-mentioned disbursing officer was required to make payment in accordance with the aforesaid writ of mandamus. It was the opinion of this office, approved by the Secretary of the Navy, that the court decision from which no appeal had been taken should be accepted by this department as the final determination of the officer's right to pay, no matter where he might be on duty or what individual disbursing officer might carry his account. The claims urged by the Comptroller General against naval officers in these cases were also considered by the Solicitor of the Treasury, who advised this department on December 4, 1924, that his office would not instruct any United States attorney to bring suit upon any of these unless the evidence showed a case of clear and palpable fraud upon the Government.

On April 20, 1925, it was held by this office that under the law a new oath of office must be taken by officers in the naval service when promoted to higher offices therein, the same as on original appointments; this opinion requires the reversal of the practice which has existed for many years by which officers of the Navy, when promoted, have not been required to execute a new oath of office.

During the year 733 cases involving questions of pay and allowances were taken under consideration; of these 497 were determined by the department and 236 were referred to the Comptroller General and the accounting division of the General Accounting Office. To the Attorney General 13 cases were referred with request for such action as he might deem necessary in order to recover overpayments made by supply officers of the Navy to former personnel while serving in the Navy and in which the supply officer concerned was unsuccessful in securing refund of the amount overpaid. Answers were prepared to 69 bills of complaint filed by officers of the Navy in the Supreme Court of the District of Columbia.

A large number of miscellaneous legal opinions, covering a wide range of subjects, were rendered on various questions, among which may be mentioned the following as illustrative and typical: Legality of a retired officer of the Navy accepting civil office with a firm or corporation furnishing material to the Federal Government; naturalization of Filipinos who served in the naval service; payment of retainer pay to the conservatrix appointed in the case of a transferred member of the Fleet Naval Reserve; transfer of enlisted men of the Regular Navy to the Fleet Naval Reserve under the provisions of the act of July 1, 1922; counting service in class 2, Marine Corps Reserve, for enrollment in the Marine Corps Fleet Reserve; legality of correcting the record of a transferred member of the Fleet Naval Reserve to show that he was transferred to class 1–D instead of 1–C; precedence between officers of the Naval Reserve Force, class 2; discharge of civilian employees from naval supply depot following their indictment by a Federal grand jury; designation of consular officer for the Virgin Islands of the United States; authority to control reckless flying by civilian aviators; designation of dependent relative under the law providing for the payment of death gratuities;

status of civilian employee of the Federal Government actively engaged in promoting strikes against a private corporation; authority of the Secretary of the Navy to reopen a case which has been disposed of by his predecessor; line of duty cases; authority to employ a substitute for a civilian employee during his absence; counting service in the Coast Guard for the purpose of retirement of enlisted men of the Regular Navy; retention of a former enlisted man of the Regular Navy on probation after his enlistment has expired; liability of officers quartered in navy yard, Washington, D. C., for District of Columbia taxes; unauthorized use of regulation Navy uniform; change of spelling of family name; minimum age for enrollment in the Naval Reserve Force; restoration of numbers lost by an officer of the Regular Navy while serving in a lower grade or rank; training of Naval Reserve officers in educational institutions; disposition of unexpended funds appropriated for and allotted to the Virgin Islands of the United States; status of acting warrant officer relative to eligibility for transfer to Fleet Naval Reserve; exchange of officers between the Army and the Navy; eligibility of members of the Fita Fita guard, naval station, Tutuila, American Samoa, for transfer to the Fleet Naval Reserve after 16 or 20 years' naval service, and retirement after 30 years' service; essential elements of fraudulent enlistment; revocation of appointments to warrant or commissioned rank given transferred members of the Fleet Naval Reserve; medals of honor; continuous service in the case of the reappointment of a senior inspector of ship construction; discharge of enlisted men by special order of the Secretary of the Navy within three months of the expiration of enlistment; application of the statute of limitations to deserters from the Navy; constructive service for officers appointed from civil life prior to March 3, 1913; status of a retired officer of the Navy who had escaped from St. Elizabeth's Hospital; mitigation of a summary court-martial sentence involving loss of pay and bad-conduct discharge; precedence between officers of the Navy on the retired list; detention beyond expiration of enlistment to serve sentence of confinement inflicted by commanding officer; reimbursement of a midshipman for medical expenses incurred while absent from the Naval Academy; time lost in naval service on account of disability incurred prior to enlistment; status of assessments paid to the Navy Mutual Aid Association; transfer of duplicate and unused books from the Naval Academy to the Annapolis Public Library; eligibility of an enlisted man of the Navy to hold a municipal office in the State of California; transfer of enlisted men of the Regular Navy to class 1–C, Fleet Naval Reserve, under the provisions of the act of July 1, 1922; counting foreign service as double time for purpose of retirement; issue of new discharge certificate to an individual who served in the naval service under an assumed name; practice of law by retired officers of the Navy; rank on the retired list of an officer of the Construction Corps retired after 40 years' service; temporary confinement of enlisted persons of the Coast Guard in the brig of Navy receiving ships; legality of the termination of the employment of an associate professor at the Naval Academy; status of the retired pay of a certain naval officer; discharge of veterans of the World War temporarily employed in the Navy Department; payment of reward

for apprehension and delivery of a deserter; status of Naval Communication Service; status of civilian employees at the navy yard, Washington, D. C., excused from work on Inauguration Day by Executive order; naval purchases made from retired enlisted men who are Fleet Naval Reservists, or from civil employees of the Navy; discharge, on account of physical disability, of enlisted men having more than 12 years' service on July 1, 1922; Marine Corps Reserve Officers' Training Corps; participation of the United States Marine Band in the United States Lexington-Concord Sesquicentennial Celebration; examination and promotion of Marine Corps officers after March 4, 1925; naturalization of natives of Guam; cancellation of commission as a lieutenant in the Navy; proposed regulations for the Naval Reserve; status of minors under the control of the department of public welfare, Commonwealth of Massachusetts; status of members of the Naval Reserve holding temporary appointments in the Coast Guard; proposed change in article 1669, Navy Regulations.

A number of important questions arising under the World War adjusted compensation act were considered and opinions rendered thereon, among which the following are of especial note: Meaning of the term "active service"; classes of naval personnel entitled to the benefits of the act; application of minor dependent; determination of dependency; discharges under other than honorable conditions; meaning of the term "oversea service"; appointment of legal guardians; service to be counted in the case of a deserter restored to duty; officers of the Public Health Service; determination of what constitutes "service with troops"; authority of heads of hospitals under the control of the United States Veterans' Bureau to make application on behalf of mentally incapacitated veterans; authority of the heads of State hospitals to make application on behalf of mentally incapacitated veterans; meaning of the term "service afloat"; receipt of applications from dependents of a veteran alleged to be dead.

In matters relating to legislation affecting the Navy Department and the naval service, two bills which were enacted into law by the Congress during the fiscal year are worthy of special mention. One of these, Public No. 512, Sixty-eighth Congress, approved February 28, 1925, is entitled "An act to provide for the creation, organization, administration, and maintenance of a Naval Reserve and a Marine Corps Reserve." This legislation, which failed of enactment by the Sixty-seventh Congress and was reintroduced in the Sixty-eighth, is fully described and discussed in the last annual report. Further treatment herein is deemed to be unnecessary.

The other, Public No. 611, Sixty-eighth Congress, approved March 4, 1925, commonly referred to as the "omnibus bill," is entitled "An act providing for sundry matters affecting the naval service, and for other purposes." While not all of the items of legislation desired by the department and incorporated in the original draft of the bill as presented were enacted, the act as approved comprises 30 sections, covering a number of important matters.

The bill, recommended by the department, "To provide for the equalization of promotion of officers of the staff corps of the Navy with officers of the line," which was discussed in the annual report for 1924, was under consideration by the Sixty-eighth Congress, but failed of enactment into law.

Although the bill recommended by the Department, "To authorize the disposal of lands no longer needed, and the acquisition of other lands required, for naval purposes," did not, as a whole, become law, a number of the items contained in that bill were legislated and found their way to eventual approval through the medium of other bills enacted. Some of these may be mentioned:

(1) Purchase of third Bush lot for addition to the site of the naval supply depot, South Brooklyn, N. Y. (Section 20, act approved March 4, 1924.)
(2) Purchase of sites for naval air stations at Quantico, Va., Chelsea, Mass., Lakehurst, N. J., and Galveston, Tex. (Section 6, act approved March 4, 1925.)
(3) Purchase of site in vicinity of Sand Point, Wash., for use of naval air station. (Section 6, act approved March 4, 1925.)
(4) Purchase of land in vicinity of Pensacola, Fla., for use as site for suitable water supply for naval air station. (Naval appropriation act, approved March 28, 1925.)
(5) To proceed with water-front development at naval base, San Diego, Calif. (Section 20, act approved March 4, 1925.)

Senate and House bills, joint resolutions, and proposed amendments were referred to the department for consideration and recommendation, as indicated below:

Senate bills, etc.:	
Private—	
Favorable action recommended	24
Favorable action recommended, if amended	2
Unfavorable action recommended	60
Answered, no recommendation	1
Unanswered, pending when Congress adjourned	4
Total	91
Public—	
Favorable action recommended	5
Favorable action recommended, if amended	3
Unfavorable action recommended	15
Answered, no recommendation	5
Unanswered, pending when Congress adjourned	6
Total	34
Total Senate bills, etc., referred	125
House bills, etc.:	
Private—	
Favorable action recommended	48
Favorable action recommended, if amended	17
Unfavorable action recommended	113
Answered, no recommendation	6
Unanswered, pending when Congress adjourned	7
Total	191
Public—	
Favorable action recommended	9
Favorable action recommended, if amended	8
Unfavorable action recommended	34
Answered, no recommendation	13
Unanswered, pending when Congress adjourned	9
Total	73
Total House bills, etc., referred	264
Bills, amendments, etc., drafted for the use of the department, Members of Congress, and others	78
Total bills, amendments, resolutions, etc., acted upon by the department during the fiscal year	467

During the fiscal year under report there were received from the Department of Justice and the Court of Claims 192 calls for information relating to the naval records of claimants who were seeking relief in the court; such information as was available was furnished in each case. There were also received 257 requests for information concerning the medical records of members and former members of the naval service, as well as 142 requests for official reports of death and 58 requests for copies of official records to be used in cases before the civil courts; appropriate action was taken in all of these cases. Among other requests received were 10 for the removal of the mark of desertion in the records of former service men and several for the correction of records in respect of dates of birth, changes of name, and erroneous entries. Under the provisions of the act approved August 22, 1912, the forfeiture of citizenship rights as a consequence of conviction of desertion applies thereafter to desertion in time of war only. Each year a number of requests for Executive pardon are received, which are, for the most part, submitted in order to regain such forfeited rights. This year there were 21 requests, nearly all of which were from men who deserted during the World War, after the signing of the armistice on November 11, 1918, and before the formal termination of the war on July 2, 1921.

Requests for the delivery of persons in the naval service to the civil authorities, the procedure governing which has been fully described in former reports, were received to the number of 151; in 92 of these cases delivery was authorized by the department as indicated in the following statement:

United States courts	15
California	34
Virginia and District of Columbia	10
New Jersey	6
Maryland	3
Pennsylvania, Florida, Massachusetts, Ohio, Iowa, New York, New Hampshire, Washington (2 each)	16
Illinois, Indiana, Minnesota, Alabama, North Carolina, South Carolina, Hawaii, Philippines (1 each)	8
Total	92

A normal amount of correspondence was carried on with the various civil authorities in relation to service of process, attendance of witnesses, authentication of records, noncompliance with judgments rendered against persons in the naval service, and miscellaneous matters not readily classifiable.

As in former years, so in this one, there have been numerous cases classified generally as admiralty matters referred to the office for consideration and preparation for action. New collision cases to the number of 113, together with about 319 left over from the last fiscal year, totaling 432, were under reference for consideration during the fiscal year under report. Final action was taken in 174 of these cases, leaving 258 yet to be disposed of. This does not mean that no work has been done on these remaining cases; a large percentage of them are of the kind which the department is not authorized to adjust and refer to the Congress for appropriation under any existing law, and many of them are the subjects of suits against the Government, or suits by the Government against the owners of vessels held to be responsible for damaging naval vessels

or other naval property. In the examination of collision cases about 70 records of naval courts of inquiry and boards of investigation were consulted, upon which were based wholly or in part recommendations for appropriate action with respect to claims against the department for reimbursement on account of damages to vessels, docks, wharves, or other privately owned property, caused by naval vessels, or claims by the department against privately owned vessels which had damaged naval vessels or other naval property and which were considered to be responsible therefor. Efforts to collect directly damages in some 27 collision cases in which privately owned craft were deemed to be responsible were successful in nine such cases, to the amount of $3,503.24; additional collections were made in some other cases through the assistance of the Department of Justice, to which the claims had been referred for appropriate legal proceedings.

Eighteen bills introduced before the Congress for the relief of claimants in collision cases involving naval vessels were referred to the department for report of facts and circumstances attending the collision and for recommendation as to the merits of the bill in each case. The purpose of most of these bills was to obtain authority to institute legal proceedings against the Government; the remainder asked for direct appropriation in settlement of the claims. Prompt report, with information and recommendation, was made in the case of each referred bill. None of the above-mentioned bills were initiated by the department; but two bills were initiated by the department to cover two foreign claims, considered to be meritorious, with recommendation that special legislation be enacted authorizing their payment.

The department was called upon by the Department of Justice to furnish information to be used in defending the Government's interests involved in 46 libels filed against it to recover damages resulting from collisions for which the Government was alleged to be responsible. Also a very considerable amount of investigation and correspondence was carried on in aid of United States district attorneys preparing the Government's side in collision cases involving not only naval vessels but also vessels manned by the Navy and operated for the account of other departments of the Government. In the majority of instances these suits against the Government were filed after authority was granted by special legislation of the Congress; but a number were instituted under the provisions of the admiralty act approved March 3, 1925, "Authorizing suits against the United States in admiralty for damages caused by and salvage services rendered to public vessels belonging to the United States." Under the provisions of this law suits may be instituted against the Government in admiralty to recover collision damages and compensation for salvage services without first securing the authority of the Congress in each instance; as a consequence of the general authority so granted it may be expected that hereafter no bills seeking permission to sue the Government in admiralty cases will be introduced in the Congress by claimants, though in cases where liability is admitted by the Navy and the amount of the damages is ascertained and undisputed, legislation will be sought to authorize the payment of such admitted claims.

Fifty-six claims against the Navy for reimbursement for damages to privately owned property, including vessels, piers, docks and wharves, for which damages naval vessels were found to be responsible, were ascertained, determined and adjusted during the year. Forty-two of these claims were certified to the Congress through the Bureau of the Budget for appropriation under the provisions of the act of June 4, 1910 (36 Stat. 607), as amended by the act of December 28, 1922 (42 Stat. 1066). Provision for the payment of these 42 claims, aggregating $22,737.05, was made in the second deficiency act of the last session of the Congress. They were paid through the General Accounting Office. The same deficiency act carried an appropriation of $64,482.20 with which to pay 69 additional claims of like character which had been reported to the Congress during its previous session. The total appropriation for these 111 claims, which had been submitted in the aggregate amount of $130,402.54, was $87,-219.25, the difference, as will be noted, being $43,183.29. Since the above-noted claims were settled, 21 others have been adjusted and approved for report to the Congress at its next session. Eighteen claims for damages in cases where it was alleged that naval vessels were responsible were disapproved after thorough investigation.

In the annual report for 1924 special mention was made of the *Woolsey-Steel Inventor* suit brought by the Government to recover for the loss of the destroyer *Woolsey* by sinking as a result of collision with the steamer *Steel Inventor*, which occurred on the west coast of the United States December 29, 1921. Since that report the court has rendered a decree in favor of the Government, but the amount of the damages recoverable has not been entered. Much time has been required to ascertain and prove the Navy's loss, the amount involved being approximately $1,500,000. It is hoped and expected that this case will be finally settled in the near future.

Two other important admiralty cases have been brought to a conclusion after pending in the courts for a number of years; these are the *New Hampshire-Commonwealth* case and the *McCulloch-Governor* case. In the former the Government was required to pay a total of $11,848.30, including costs to the amount of $1,687.60; under the attendant circumstances, this settlement is considered to be fair and reasonable. The latter case was eventually settled out of court by the payment to the Government of the sum of $167,500, this office having been concerned in the satisfactory negotiations leading up to the settlement.

During the year 49 new claims for the loss of or damage to personal property resulting from the negligence of officers or employees of the Navy acting within the scope of their employment were referred to the office for consideration and action. Of these 26 were adjusted and were reported, through the Bureau of the Budget, to the Congress for appropriation under the provisions of the act of December 28, 1922 (42 Stat. 1066). Appropriation for the payment of these claims was made in the second deficiency act of the last session, as was also an appropriation for the payment of 29 other such claims which had been reported at the preceding session but for which no provision had previously been made. The 45 claims, originally submitted in the aggregate amount of $25,421.55, were allowed in the aggregate amount of $16,391.02, a difference of $9,030.53. Eleven additional claims of this class have since been adjusted for re-

port to the next Congress and 23 have been disapproved. A few of this class of claims were submitted by private citizens; but by far the larger number were submitted by officers and enlisted persons in the naval service. The loss or damage occurred in most instances while the property was in the custody of the Navy for transportation from one station to another under "permanent change of station" orders. Some claims arose out of shipwreck or other marine disaster and did not fall under the provisions of the act of October 10, 1917, authorizing adjustment by the Bureau of Navigation in certain cases.

Eight claims, totaling $482.51, on account of damages caused to privately owned property by naval aircraft, were adjusted, and were paid out of appropriation "Aviation Navy." Seven claims for compensation for services rendered to naval vessels and aircraft by privately owned vessels were adjusted, and were paid, to the total amount of $1,014.74, out of the appropriation "Construction and repair." One claim to cover expenditures incurred by reconditioning a barge damaged while in the service of the Navy during the World War was adjusted in the sum of $933.06 and was paid from the naval emergency fund. Two claims by the department growing out of damages to naval property for which privately owned vessels were held to be responsible were referred to the Department of Justice for appropriate legal action after the claims had been presented and payment had been refused.

Twenty-two opinions were rendered at the request of the Bureau of Navigation relative to the legality of paying the claims submitted by officers and men in the naval service for the loss of or damage to personal effects through shipwreck or other marine disaster under the provisions of the act of October 6, 1917. Two private acts for the relief of naval officers on account of loss of or damage to personal effects, one as the result of a marine disaster in the sum of $3,598.80, and the other resulting while the property was in the custody of the Navy for transportation under change of station orders, in the amount of $1,090, were passed by the Congress and the claims paid.

Two claims for compensation on account of personal injury sustained, one as the result of an airplane accident and the other as the result of an accident on board a naval vessel, were received and taken under consideration. The first of these is deemed to be of merit; in the second liability is denied. The department being without authority to adjust and pay claims of this nature, recourse will have to be had by the claimant to the Congress for relief.

Under date of June 7, 1924, the President approved an act of Congress relating to unlawful sealing in the Bering Sea during the period 1886 to 1896, by virtue of which law claimants, whose sealing vessels were warned and driven from the sea, are authorized to sue the Government for the recovery of damages alleged to have been suffered by such exclusion. A large number of suits have been filed under the provisions of this law, and at the instigation of the plaintiffs a number of rules have been issued by the courts against this department for the production of certified copies of records (log books, etc.) showing the activities of naval vessels in preventing sealing in the proscribed waters during the closed period above mentioned.

Seven claims of the department against the United States Shipping Board for compensation for salvage services rendered by naval vessels to Shipping Board vessels during the World War, aggregating $143,026.50, were the subject of further conferences between representatives of the department and the board. While the separate amounts of the claims and the total had been agreed upon previously, the board found itself without funds with which to pay the claims. The Shipping Board finally took the position, based upon an opinion of the Comptroller General in a similar case, that the Navy was not authorized to claim a salvage award in any of these salvage cases but is entitled to be repaid the actual expense incurred by the Navy in performing relief services to the several Shipping Board vessels. The several expense accounts were determined and found to amount to $24,806.83. This amount has been credited to the account of the Navy on the books of the Shipping Board but with no immediate prospect of actual reimbursement.

Work in connection with the adjustment of naval and maritime claims arising in foreign countries during the World War was continued during the year, and a number of such claims were finally disposed of. Lack of essential information has delayed the progress of the work and the final action on many of these claims. Other than our naval attachés the department has no agencies in foreign countries to assist in the settlement of foreign claims; the attachés have assisted to the extent of their ability and opportunity.

Foreign claims in appreciable number were submitted to the department through diplomatic channels. The Department of State and its representatives in foreign countries have rendered valuable assistance in the adjustment and settlement of such claims. Not a few, however, remain undetermined, and others are coming in from time to time. The necessity for congressional action for relief in nearly every one of these cases, all funds available for this purpose having lapsed, projects their final conclusion into the distant future.

A year or so ago a proposal was made by this department to the British Admiralty looking to a joint settlement of all outstanding claims of whatever character between the naval departments of the two Governments. The proposal was accepted and some progress has been made in ascertaining the number of claims on the two sides. The total amount of the strictly maritime claims presented by our Navy will probably not be very great, though there are some others now in the custody of the Bureau of Supplies and Accounts which will doubtless augment the grand total. The exact procedure to be followed in effecting the proposed joint settlement has not yet been determined. It has been suggested that a joint commission be constituted for that purpose.

During the year more than 500 records of collisions occurring in foreign waters, principally during the World War period, most of which had been acted upon by claims boards and commissions, were examined in order to determine whether any further action, as by the department, was indicated. In about 90 per cent of these cases no further action was found necessary.

Matters relating to builders' risk, marine, and fire insurance have lessened in amount during the year along with the reduction of construction work at private shipyards and contractors' plants. There are still pending several claims against insurance companies which

are in process of liquidation, these claims having been assigned to the Navy Department by the Lake Torpedo Boat Co. in 1923. The process of liquidation, which is under the direction of State insurance commissioners, is lengthy and tedious so far as the adjustment of claims is concerned. The amounts available to be paid in satisfaction of claims depend upon the ratio of assets to liabilities, a condition that requires some time and investigation to establish.

On October 11, 1919, a fire occurred at the plant of a firm constructing torpedo testing barges for the Navy, resulting in damage to torpedo testing barge *No. 4* while under construction. The department made claim for the cost of reconditioning this barge incident to making repairs to machinery, equipment, etc., in the amount of $36,335.77, together with interest accruing at the rate of 6 per cent per annum. The insurers refused payment in full, falling back on a clause in the policies reading, "full contract value to be the basis of the insurance," and construing this clause to mean that the insured, at the commencement of construction, should have placed insurance in an amount equal to the completed "cost" of the vessel. After nearly six years of voluminous and fruitless correspondence, the department, on June 6 last, referred the matter to the Attorney General with request that suit be instituted against the insurance companies involved.

Personal bonds examined, interpreted and approved by the office are in summary as follows:

Supply officers, Navy	87
Pay clerks, Navy	40
Assistant paymasters and assistant quartermasters, Marine Corps	14
Pay clerks and quartermaster clerks, Marine Corps	4
Navy mail clerks	302
Custodian of radio receipts	207
Total	654

About 1,100 contracts for ordnance, public works, and public utility services, together with their accompanying bonds, were examined and approved during the period under report. Provisions of these contracts were construed, boards on changes appointed, public bills relating to them examined and approved, and final releases covering them drafted. In connection with proposed contracts for the construction of six river gunboats for use in Chinese waters several novel and interesting legal questions arose for determination. Annual contract bonds to the number of 178 underwent examination and received approval. "Fixed price" and "cost plus" contracts entered into before and during the World War period and not finally settled have required and received attention and study.

With the cooperation of the telephone companies interested there has been drafted a standard form of contract covering telephone service, by which it is expected that the procedure will be much simplified and the rendition of service to the Navy improved.

The transfer of the Navy's helium plant at Fort Worth, Tex., to the Bureau of Mines in pursuance of the provisions of the act approved March 3, 1925 (helium act) has given rise to some legal questions of considerable intricacy, which have been the subject of attentive inquiry and study. Questions have also come up touching

the rights of this department under contracts, particularly the right to accept from contractors on final payment a form of release which reserves from its operation such claims for unliquidated damages as the Supreme Court of the United States has held may not be settled by executive officers. This particular question, which is as yet undecided by competent authority, must eventually be definitely determined.

The scrapping of ships under the provisions of the treaty limiting naval armament was completed within the time limit therein stipulated. Some of the ships sold were paid for in cash and some partly in cash, and partly in acceptable notes which were forwarded to the Treasury Department for collection, the proceeds of which were covered into the Treasury as miscellaneous receipts from the Secretary of the Navy. In all cases the purchasers were required to give bond for the completion of the scrapping as well as for the payment of notes tendered. Collections on the post-war sales of ships and on plant extensions for which advances had been made during the war have continued, realizing from this source during the fiscal year the amount of $995,019.52, exclusive of interest.

The preliminary examination of claims for damage to private property, provided in the acts of July 1, 1919, and December 28, 1922, have been carried on. The scope of these two pertinent laws has been noted in former reports. Thirty-six claims, amounting to $2,257.45, under the provisions of the former, and 16 claims, totaling $2,626.79, under the latter, were reported to the Congress and were appropriated for in the second deficiency act, 1925.

The effect of the law of 1922 upon the law of 1919 has heretofore been construed by this office as permitting payment for damages caused by uniformed members of the naval service under the act of 1919, and as requiring reference to the Congress for appropriation claims for damages caused by employed civilians. By a decision of the Comptroller General rendered in April, 1925, it is held that cases in which the damage is caused by negligence of parties must be referred to the Congress, while claims for damage for which personnel of the naval service are found to be responsible, but without negligence, may still be paid under the act of 1919.

Section 8 of the act approved March 4, 1925—the omnibus bill—authorizes the Secretary of the Navy to examine the claims of contractors for losses due to war conditions and to report his findings to the Congress. Under this act the Naval War Claims Board has been constituted and has entered upon its duties. Claims are first submitted to this office for preliminary examination and are forwarded to the board for action if they prove to be within the purview of the law. The findings and recommendations of the board are to be forwarded to the Secretary of the Navy by the Judge Advocate General, with recommendation as to approval, disapproval, or modification. The work is just getting under way at the close of the fiscal year.

In the matter of the acquisition, disposal, valuation, leasing, and the perfection of titles of real estate, the settlement of claims of former owners for property commandeered during the World War, of which there are a number outstanding, proceeds as expeditiously as the perfection of titles of the several claimants permits. New parcels of land were acquired for naval purposes as indicated below:

By transfer from the War Department: Hawkins Island and Japonski Island, Alaska; Aiea Military Reservation, Island of Oahu, Hawaii; Henry Barracks Military Reservation, Cayey, P. R.

By Executive order of the President: Naval oil shale reserve No. 3, Colorado No. 2; Frankford Bank adjacent to and in vicinity of the island of Key West, Fla.; Balboa Naval Reservation, Balboa, Canal Zone; military reservations of Dungeness Harbor and San Juan Island, Wash.

By deeds of conveyance: Tide lands adjoining block 14 of the municipal tide lands subdivision on the Bay of San Diego, Calif.; four parcels in Escambia County, Fla., as an addition to the naval air station; naval air station, Chatham, Mass.

The following-described lands formerly under the control of the Navy Department were released and transferred from such control as shown in each case:

(*a*) Naval reservation, Cordova Point, Prince William Sound, Alaska, comprising 82 acres, restored to its former national forest status by Executive Order No. 4204, dated April 15, 1925.

(*b*) A portion of the naval reservation, Pensacola, Fla., comprising the Barela and Barrios tracts and containing 1,250 arpents, transferred to the control of the War Department by letter dated June 30, 1925.

(*c*) An area of 600 acres, more or less, at the Navy mine depot, Yorktown, Va., originally taken over by presidential proclamation dated August 17, 1918, was returned to the former owners (S. R. Curtis, R. G. Bickford, Newport News Light & Water Corporation, and Old Dominion Land Co.) under authority of the act of July 12, 1921 (42 Stat. 126).

The land and improvements comprising the destroyer and submarine base at Squantum, Mass., containing about 731 acres, with the exception of an area of about 139 acres retained for aviation purposes, were advertised for sale and for lease. Sealed proposals in response to the advertisement were opened on May 22, 1925, but all were rejected as being inadequate. Proposals to lease the property of the naval air station, Cape May, N. J., were also advertised for, but without satisfactory bids being received.

Some 200 leases for lands, buildings, wharves, etc., including revocable licenses and easements, and about 300 leases covering the rental of office space used in recruiting and in carrying on the activities of the Naval Reserve Force, and those of the Marine Corps in the United States, the Republic of Haiti, and the Dominican Republic, were executed.

Government-owned property under the jurisdiction of the department was leased as shown below:

(*a*) To the Standard Oil Co. of New Jersey, a tract of land covered by water on the west bank of the Cooper River, Charleston, S. C., from September 4, 1924, until such time as the property may be required for naval purposes but the period of lease not to exceeed the 5-year limitation provided by the act of August 29, 1916.

(*b*) To the Honolulu Plantation Co., a portion of the land at Aiea, District of Ewa, Island of Oahu, Hawaii, set aside for military purposes by Executive Order No. 2566, dated March 28, 1917, and transferred to the Navy Department by the War Department December 13, 1924.

(*c*) To W. E. Brightman, of Newport, R. I., the artificial ice plant at Coddington Point, Newport, from December 2, 1924.

Permits and licenses granted by the department to outside parties for easements and rights of way over Navy property, to the number of 26, were in operation during the year.

The activities of the office in relation to patent matters, more especially those concerned with aircraft, radio, and engineering material and inventions, have increased greatly within the year elapsing since

the last annual report. These include validity and title searches in the Patent Office and the collection of evidence for the use of the Department of Justice in pending litigation.

Below is a brief statement of these matters:

Applications being prosecuted	104
Applications in preparation	44
Interference proceedings	2
Applications examined and abandoned	4
Patents granted	14
Cases considered during the year	168
Cases considered since the assumption of patent work by the office	242
Applications for license to manufacture under Navy-owned patents, received and had under consideration	115

E. H. CAMPBELL.

APPENDIX

Annual Report of the Judge Advocate General, Fiscal Year 1925

TABLE I.—*General court-martial cases for which charges and specifications were drawn up in this office during the fiscal year*

	Navy	Marine	Total
Officers	34	15	49
Enlisted men	1,398	416	1,814
Total trials ordered by the Secretary of the Navy	1,432	431	[1] 1,863
Charges withdrawn (enlisted men) by reason of—			
Physical disability	4	3	7
Mental disability	9	2	11
Escape of accused	15	6	21
Order of Department	13	----------	13
Total trials not completed	41	11	52
Cases tried by order of the Secretary of the Navy	1,391	420	1,811
Corresponding trials fiscal year 1924	1,729	404	2,133
Corresponding trials fiscal year 1923	720	210	930

[1] See note following Table VII.

TABLE II.—*General court-martial cases for which charges and specifications were drawn up by officers of the Navy authorized to convene such courts*

	Navy	Marine	Total
Officers	48	7	55
Enlisted men	523	102	625
Total trials ordered by officers of the Navy	571	109	680
Cases tried by order of officers of the Navy	571	109	680
Corresponding trials fiscal year 1924	529	143	672
Corresponding trials fiscal year 1923	512	203	715

TABLE III.—*General court-martial trials of officers*

Convicted	66
Acquitted	27
Disapproved	11
Total	104
Fiscal year 1924	66
Fiscal year 1923	95

TABLE IV.—*General court-martial trials of enlisted men*

	Navy	Marine	Total
Convicted	1,827	487	2,314
Acquitted	35	12	47
Disapproved or set aside	18	8	26
Total	1,880	507	2,387
Fiscal year 1924	2,204	535	2,739
Fiscal year 1923	1,154	396	1,550

TABLE V.—*General court-martial trials of enlisted men held at each naval station*

Boston, Mass	117
Charleston, S. C	73
Great Lakes, Ill	256
Hampton Roads, Va	98
New York, N. Y	238
Philadelphia, Pa	148
Puget Sound, Wash	150
Quantico, Va	118
San Diego, Calif	163
San Francisco, Calif	167
Special	234
Total	1,762

TABLE VI (A).—*Schedule of principal offenses*

Offenses	Navy	Marine	Total
ENLISTED MEN			
Absence without or over leave	525	78	603
Absence without or over leave and breaking arrest	54	5	59
Absence without or over leave and fraudulent enlistment	1	0	1
Absence without or over leave and conduct to the prejudice of good order and discipline or scandalous conduct tending to the destruction of good morals	13	23	36
Assaulting or striking another person in the Navy	14	4	18
Assaulting or striking superior officer or threatening to assault or strike superior officer	16	4	20
Assaulting with a deadly weapon another person in the Navy	1	0	1
Assault with intent to kill	1	0	1
Breaking arrest	1	1	2
Conduct to the prejudice of good order and discipline	50	27	77
Culpable inefficiency in the performance of duty	1	0	1
Desertion	875	217	1,092
Desertion and breaking arrest	44	6	50
Desertion and fraudulent enlistment	14	14	28
Desertion and conduct to the prejudice of good order and discipline or scandalous conduct tending to the destruction of good morals	2	1	3
Disobeying a lawful order of his superior officer	15	7	22
Disrespectful in language and deportment	3	1	4
Drunkenness	73	25	98
Embezzlement	7	0	7
Falsehood	1	0	1
Forgery	0	2	2
Fraudulent enlistment	2	14	16
Leaving station or post before being regularly relieved	5	3	8
Manslaughter	1	0	1
Neglect of duty	12	1	13
Resisting arrest	1	1	2
Scandalous conduct tending to the destruction of good morals	42	18	60
Sleeping on watch or post	8	10	18
Sodomy	7	2	9
Theft	32	22	54
Theft and conduct to the prejudice of good order and discipline or scandalous conduct tending to the destruction of good morals	6	1	7
Total	1,827	487	2,314
Disapproved or set aside	18	8	26
Acquitted	35	12	47
Total	1,880	507	2,387

TABLE VI (B).—*Schedule of principal offenses*

Offenses	Navy	Marine
OFFICERS		
Absence from station and duty after leave had expired	2	
Absence from station and duty after leave had expired; drunkenness	1	
Conduct to the prejudice of good order and discipline	5	
Conduct to the prejudice of good order and discipline; absence from station and duty after leave had expired	1	
Conduct to the prejudice of good order and discipline; conduct unbecoming an officer and a gentleman; falsehood; scandalous conduct tending to the destruction of good morals		1
Conduct to the prejudice of good order and discipline; absence from station and duty without leave	1	
Conduct to the prejudice of good order and discipline; violation of a lawful regulation issued by the Secretary of the Navy	1	
Conduct unbecoming an officer and a gentleman; violation of a lawful regulation issued by the Secretary of the Navy		1
Culpable inefficiency in the performance of duty	4	
Culpable inefficiency in the performance of duty; through negligence suffering a vessel of the Navy to be run upon a rock	1	
Culpable inefficiency in the performance of duty; violation of a lawful regulation issued by the Secretary of the Navy	1	
Desertion; embezzlement of money of the United States intended for the naval service thereof	1	
Disobeying a lawful order of his superior officer; neglect of duty; drunkenness		1
Drunkenness	11	5
Drunkenness; conduct to the prejudice of good order and discipline	2	
Drunkenness; breaking arrest; absence from station and duty without leave		1
Drunkenness; violation of a lawful regulation issued by the Secretary of the Navy	1	
Embezzlement of money of the United States intended for the naval service thereof	1	
Embezzlement of money of the United States intended for the naval service thereof; embezzlement of property of the United States intended for the naval service thereof	1	
Embezzlement; violation of a lawful regulation issued by the Secretary of the Navy		1
Extortion; scandalous conduct tending to the destruction of good morals; receiving money as an officer of the United States with intent to have his decision or action on a question pending before him influenced thereby; conduct to the prejudice of good order and discipline; falsehood; neglect of duty		1
Neglect of duty	2	
Neglect of duty; conduct to the prejudice of good order and discipline		1
Neglect of duty; culpable inefficiency in the performance of duty	2	
Scandalous conduct tending to the destruction of good morals; conduct to the prejudice of good order and discipline: drunkenness	1	
Striking another person in the Navy	1	
Through negligence suffering a vessel of the Navy to be run upon a rock	3	
Through negligence suffering a vessel of the Navy to be stranded	3	
Through negligence suffering a vessel of the Navy to be run upon a reef and seriously injured	1	
Unlawfully having liquor in his possession	1	
Violation of a lawful regulation issued by the Secretary of the Navy	3	
Violation of a lawful regulation issued by the Secretary of the Navy; importing liquor	2	
Violation of a lawful regulation issued by the Secretary of the Navy; importing liquor; conduct to the prejudice of good order and discipline	1	

TABLE VII.—*Comparative analysis of more frequent offenses by enlisted men tried by general courts-martial*

	1925	1924	1923
Absence without or over leave	603	768	372
Absence without or over leave joined with other offenses	96	125	88
Desertion	1,094	1,207	351
Desertion joined with other offenses	81	106	76
Drunkenness	98	62	88
Fraudulent enlistment	16	34	67
Fraudulent enlistment joined with other offenses	29	50	48
Theft	54	72	61
Theft joined with other offenses	7	3	5

NOTE.—The foregoing tables do not include the cases of 5 officers and 18 enlisted men which are still pending.

TABLE VIII.—*Monthly record of summary courts-martial for 1925*

Month	Bad conduct discharge (not placed on probation)		Acquitted		Disapproved		Approved exclusive of bad conduct discharges, acquittals, and disapproval		Total cases reviewed		Total
	Navy	Marine	Navy	Marine	Navy	Marine	Navy	Marine	Navy	Marine	
July	167	22	16	6	13	4	652	134	1,006	177	1,183
August	152	11	25	3	14	3	580	108	856	134	990
September	138	12	21	6	7	3	649	128	925	163	1,088
October	167	28	28	3	16	3	591	148	898	189	1,087
November	103	16	10	7	11	2	502	109	690	139	829
December	103	22	13	1	14	4	411	135	588	175	763
January	113	25	8	8	16	9	958	123	1,181	172	1,353
February	150	18	10	2	3	3	645	119	882	153	1,035
March	122	18	16	8	14	2	543	115	776	152	928
April	108	15	17	3	11	1	142	131	323	161	484
May	93	18	12	7	12	1	337	89	500	120	620
June	161	20	21	5	18	5	489	135	759	179	938
Total	1,577	225	197	59	149	40	6,499	1,474	9,384	1,914	11,298

TABLE IX.—*Final data concerning men who have been restored to duty from naval prisons whose period of probation expired during the fiscal year 1925*

	Navy	Marine	Total	Percentage of total
Number of men who have been restored to duty from naval prisons whose period of probation expired during the fiscal year 1925	0	0	0	
In good standing in the service at large June 30, 1925	0	0	0	

TABLE X.—*Final data concerning men who have been tried and convicted by general court-martial and sentenced to confinement but in whose cases the department directed that sentence be held in abeyance and that they be placed on probation, which probation expired during the fiscal year 1925*

	Navy	Marine Corps	Total	Percentage
Number of men placed on probation whose probation terminated in the fiscal year 1925	433	38	471	
Disposition:				
In good standing in the service at large June 30, 1925	115	24	139	
Honorable discharge	2	0	2	
Ordinary discharge	1	0	1	
Special-order discharge	8	0	8	
Medical survey discharge	3	0	3	
Good discharge	12	0	12	
Number successful on June 30, 1925 (not discharged for misconduct)	141	24	165	35.03
Dishonorable discharge	124	3	127	
Bad-conduct discharge	113	4	117	
Undesirable discharge	7	1	8	
In desertion	48	5	53	
Reconfined	0	1	1	
Number unsuccessful on June 30, 1925	292	14	306	64.96

TABLE XI.—*Data of summary court-martial probationers for fiscal year 1925*

Placed on probation	Successful		Unsuccessful		Total	
	Navy	Marine	Navy	Marine	Navy	Marine
July	57	6	38	4	95	10
August	136	6	23	6	159	12
September	40	4	20	1	60	5
October	61	4	21	1	82	5
November	21	8	17	3	38	11
December	64	1	10	0	74	1
January	60	11	15	2	75	13
February	36	5	12	1	48	6
March	60	9	5	2	65	11
April	51	6	6	1	57	7
May	41	7	5	0	46	7
June	15	4	1	0	16	4

Grand total, Navy and Marine Corps	907
Successful, 78.61 per cent	713
Unsuccessful, 21.39 per cent	194

TABLE XII.—*General courts-martial, fiscal year 1925*

	Navy	Marine	Total
Officers:			
By order of the Secretary of the Navy	34	15	49
By order of officers of the Navy	48	7	55
Total	82	22	104
Enlisted men:			
By order of the Secretary of the Navy	1,398	416	1,814
By order of officers of the Navy	523	102	625
Total	1,921	518	2,439
Grand total, fiscal year 1925	2,003	540	2,543
Fiscal year 1924	2,337	557	2,894
Fiscal year 1923	1,284	420	1,704

TABLE XII (A).—*Summary courts-martial, fiscal year 1925*

	Navy	Marine	Total	Average for 3 previous years
Records received and reviewed	9,384	1,914	11,298	13,323
Cases disapproved	149	40	189	255
Acquitted	197	59	256	392
Bad conduct discharges executed	1,577	225	1,802	2,060
Average trials per month	782	159	941	1,112

TABLE XII (B).—*Deck courts, fiscal year 1925*

Records received and reviewed	6,045	1,583	7,755	10,124
Cases disapproved	11	3	14	70
Acquitted	33	8	41	275
Average trials per month	503	131	634	843

TABLE XIII.—*Data covering courts of inquiry, boards of investigation and boards of inquest*

Month	Courts of inquiry				Boards of investigation	Boards of inquest	Total
	No. 1	No. 2	No. 3	Total			
July	0	0	5	5	45	16	66
August	0	0	1	1	47	16	64
September	1	2	12	15	37	11	63
October	0	0	5	5	35	15	55
November	0	0	6	6	30	35	71
December	1	0	7	8	32	7	47
January	2	1	7	10	45	21	76
February	1	2	9	12	23	10	45
March	0	3	4	7	35	10	52
April	0	0	8	8	46	16	70
May	3	0	1	4	38	14	56
June	1	0	5	6	33	18	57
Total	9	8	70	87	446	189	722

NOTE.—No. 1, followed by court-martial; No. 2, other action; No. 3, no other action.

TABLE XIV.—*Courts of inquiry, boards of investigation, boards of inquest*

	1925	1924	1923
Courts of inquiry:			
Followed by courts-martial	9	8	8
Followed by other action	8	9	22
No further action	70	61	65
Total	87	78	95
Boards of investigation, received and reviewed	446	485	487
Boards of inquest, received and reviewed	189	201	172
Grand total	722	764	754

TABLE XV.—*Data concerning general court-martial prisoners confined in naval prisons during fiscal year 1925*

	Portsmouth			Parris Island			Mare Island			Cavite		
	Navy	Marine Corps	Total	Navy	Marine Corps	Total	Navy	Marine Corps	Total	Navy	Marine Corps	Total
Prisoners in confinement June 30, 1924	280	128	408	301	104	405	272	55	327	14	2	16
Prisoners received during fiscal year 1925	303	83	386	465	197	662	465	91	556	20	2	22
Total number of prisoners confined during fiscal year 1925	583	211	794	766	301	1,067	737	146	883	34	4	38
DISPOSITION												
Transferred to—												
Other prisons	2	0	2	3	2	5	62	8	70	20	3	23
Naval hospital and insane asylum	0	0	0	2	1	3	0	1	1	----	----	----
Discharged:												
Released (officers dismissed)	4	4	8	0	0	0	0	0	0	----	----	----
Dishonorable discharge	235	86	321	402	133	535	335	61	396	----	----	----
Bad conduct discharge	69	38	107	94	50	144	115	10	125	1	0	1
Undesirable discharge	4	1	5	2	0	2	5	0	5	----	----	----
Ordinary discharge	0	1	1	5	2	7	2	0	2	----	----	----
Restored to duty:												
Unconditionally	0	0	0	0	0	0	2	0	2	----	----	----
On probation in service at large	0	0	0	0	0	0	12	8	20	----	----	----
Miscellaneous:												
Deserted (recaptured)	0	0	0	0	0	0	0	0	0	----	----	----
Died	0	0	0	1	0	1	1	2	3	----	----	----
Disposition total	314	130	444	509	188	697	534	90	624	21	3	24
Prisoners in confinement June 30, 1925	269	81	350	257	113	370	203	56	259	13	1	14

TABLE XVI.—*Data concerning general court-martial prisoners*

	1925	
	State prisons	Naval prisons
Enlisted personnel in confinement June 30, 1925	28	990
Enlisted personnel who underwent confinement during fiscal year	45	2,779
Prisoners received during year	2	1,623
Percentage of enlisted personnel committed to prison during year, based on average number of men under naval jurisdiction during the year	----------	1.55

Average number of men under naval jurisdiction during fiscal year, 104,406.

TABLE XVII.—*Enlisted men confined in State prisons during fiscal year 1925*

	United States penitentiary, Atlanta, Ga.			California			Corresponding totals		
	Navy	Marine Corps	Total	Navy	Marine Corps	Total	1925	1924	1923
Prisoners in confinement June 30, 1924	11	11	22	21	0	21	28	43	59
Prisoners received during fiscal year 1925	0	0	0	0	2	2	2	0	6
Prisoners confined during fiscal year 1925	11	11	22	21	2	23	45	57	104
Prisoners in confinement June 30, 1925	4	11	15	13	0	13	28	45	59
Dishonorably discharged or otherwise disposed of	7	2	(1)	8	2	10	19	12	45

[1] Paroled.

TABLE XVIII.—*Average number of days per case elapsing between the dispatch of trial papers from the department to general courts-martial and the receipt of completed case records at the department (excluding mail hours in transit)*

Mail hours	Court	July		August		September		Total	
		Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case
7	Philadelphia	9	4.0	16	4.6	17	4.7	42	4.4
200	San Diego	9	7.9	12	7.7	13	13.3	34	9.6
28	Boston	6	8.8	4	13.5	14	11.4	24	11.2
56	Great Lakes	19	13.8	28	11.7	28	10.0	75	11.8
12	New York	25	9.9	19	17.5	26	8.9	70	12.1
192	San Francisco	15	14.2	15	13.0	10	15.9	40	14.3
2	Quantico	14	14.9	12	13.4	12	15.1	38	14.4
32	Charleston	7	14.9	7	19.5	3	14.0	17	16.1
200	Puget Sound	7	12.9	11	21.7	11	14.7	29	16.4
24	Hampton Roads	14	18.4	11	24.0	7	18.0	32	20.1

TABLE XVIII.—*Average number of days per case, etc.*—Continued

Mail hours	Court	October		November		December		Total	
		Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case
7	Philadelphia	20	4.9	10	4.7	10	4.4	40	4.6
56	Great Lakes	20	12.7	26	10.0	9	6.8	55	9.8
28	Boston	11	12.3	7	11.8	5	6.0	23	10.0
200	San Diego	9	7.8	18	16.0	11	11.3	38	11.7
192	San Francisco	5	14.4	14	11.1	9	10.4	28	11.9
12	New York	17	14.2	20	15.0	23	10.4	60	13.2
200	Puget Sound	16	16.1	22	13.3	10	16.7	48	15.3
2	Quantico	6	13.0	11	20.1	5	22.1	22	18.3
32	Charleston	3	8.7	9	21.3	5	26.9	17	18.9
24	Hampton Roads	10	35.5	8	23.0	4	24.7	22	27.7

Mail hours	Court	January		February		March		Total	
		Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case
7	Philadelphia	17	5.4	11	3.6	16	3.8	44	4.2
56	Great Lakes	32	7.6	23	7.5	20	6.7	75	7.2
12	New York	27	11.8	17	12.8	19	7.6	63	10.7
32	Charleston	15	12.1	3	12.7	8	8.7	26	11.1
2	Quantico	18	11.7	22	11.1	5	13.3	45	12.0
200	Puget Sound	27	19.2	14	16.8	6	5.7	47	13.9
192	San Francisco	36	11.8	14	17.1	16	14.0	66	14.3
200	San Diego	20	12.9	16	20.9	15	13.5	51	15.7
24	Hampton Roads	10	20.1	5	25.4	14	19.3	29	21.2
28	Boston	17	29.8	7	35.1	18	29.0	42	31.3

Mail hours	Court	April		May		June		Total	
		Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case	Number of cases	Average days per case
7	Philadelphia	7	5.1	8	3.9	7	4.4	22	4.4
56	Great Lakes	14	5.0	21	4.7	14	6.4	49	5.4
200	Puget Sound	9	5.2	13	10.8	5	6.1	27	7.4
12	New York	17	8.9	13	17.2	12	8.0	42	11.4
2	Quantico	7	13.6	6	10.2	5	13.3	18	12.9
200	San Diego	10	11.9	16	15.7	12	14.8	38	14.1
192	San Francisco	13	16.6	10	18.8	8	15.3	31	16.9
32	Charleston	5	15.9	4	16.7	3	19.3	12	17.3
24	Hampton Roads	3	11.6	11	34.0	10	22.2	24	22.6
28	Boston	7	22.0	6	24.8	2	25.8	15	24.2

TABLE XIX.—*Percentage of enlisted men employed in the naval service tried by court-martial*

	1925		1924		1923	
	Navy	Marine Corps	Navy	Marine Corps	Navy	Marine Corps
Average number of men under naval jurisdiction during fiscal year	85,945	18,461	85,603	19,505	83,185	18,533
Tried by general court-martial during year	1,880	507	2,204	535	1,154	396
Percentage tried by general court-martial during year	2.18	2.74	2.57	2.74	1.39	2.14
Tried by summary court-martial during year	9,384	1,914	9,057	2,521	9,795	2,809
Percentage tried by summary court-martial during year	10.91	10.36	10.58	12.92	11.77	15.16
Tried by deck court during year	6,045	1,583	5,452	1,988	7,135	2,413
Percentage tried by deck court during year	7.00	8.57	6.37	10.19	5.58	13.02

TABLE XX.—*Classification of offenses, summary courts-martial and deck courts, for the fiscal year 1925*

	Summary		Deck		Total	
	Navy	Marine Corps	Navy	Marine Corps	Navy	Marine Corps
Abusive language	13	3	10	1	23	4
Assault	152	37	9	7	161	44
Asleep on duty	172	137	136	46	308	183
Breaking arrest	250	15	9	2	259	17
Conduct to prejudice	693	216	122	67	815	283
Destroying property	19	5	19	7	38	12
Disobeying lawful order	799	242	504	252	1,303	494
Disrespectful to superior officer	255	53	74	22	329	75
Drunkenness	1,034	285	355	112	1,389	397
Falsehood	182	35	50	25	232	60
Gambling	73	11	216	10	289	21
Leaving post before relieved	122	69	88	61	210	130
Liquor in possession	216	40	19	4	235	44
Losing Government property	0	0	6	0	6	0
Missing ship	259	19	3	0	262	19
Neglect of duty	172	73	190	118	362	191
Obscene or profane language	39	11	37	16	76	27
Refusing to obey lawful order	0	0	55	19	55	19
Resisting arrest	68	7	7	1	75	8
Shirking duty	0	0	9	2	9	2
Smuggling liquor aboard	30	2	21	4	51	6
Threatening language	18	4	3	1	21	5
Theft	321	78	11	5	332	83
Stolen property in possession	15	0	202	26	217	26
Unauthorized absence:						
Over ten days	1,029	272	3	3	1,032	275
Under ten days	5,413	651	3,487	611	8,900	1,262
Embezzlement	4	2	0	0	4	2
Incompetency	2	0	1	0	3	0
Create disturbance	1	0	0	0	1	0
Breaking quarantine	0	0	17	0	17	0
Inefficiency in performance of duty	1	0	0	0	1	0
Selling Government property	0	1	0	0	0	1
Narcotic in possession	5	0	0	0	5	0
Scandalous conduct	1	2	0	1	1	3
Unlawful possession of property	0	0	2	0	2	0
Total					17,023	3,693

TABLE XXI.—*Examining boards*

FOR ADMISSION

Medical Corps, records reviewed:		
Failed professionally	3	
Failed physically	22	
Qualified for appointment	98	
		123
Chaplain Corps, records reviewed:		
Failed professionally	0	
Failed physically	2	
Qualified for appointment	7	
		9
Marine Corps, records reviewed:		
Failed professionally	8	
Failed physically	7	
Qualified for appointment	32	
		47
Supply Corps, records reviewed:		
Failed professionally	46	
Failed physically	0	
Qualified for appointment	1	
		47

FOR PROMOTION

Officers of the Navy, records reviewed:		
Failed professionally	35	
Failed physically	35	
Failed morally and professionally	1	
Qualified for promotion	1,220	
		1,291

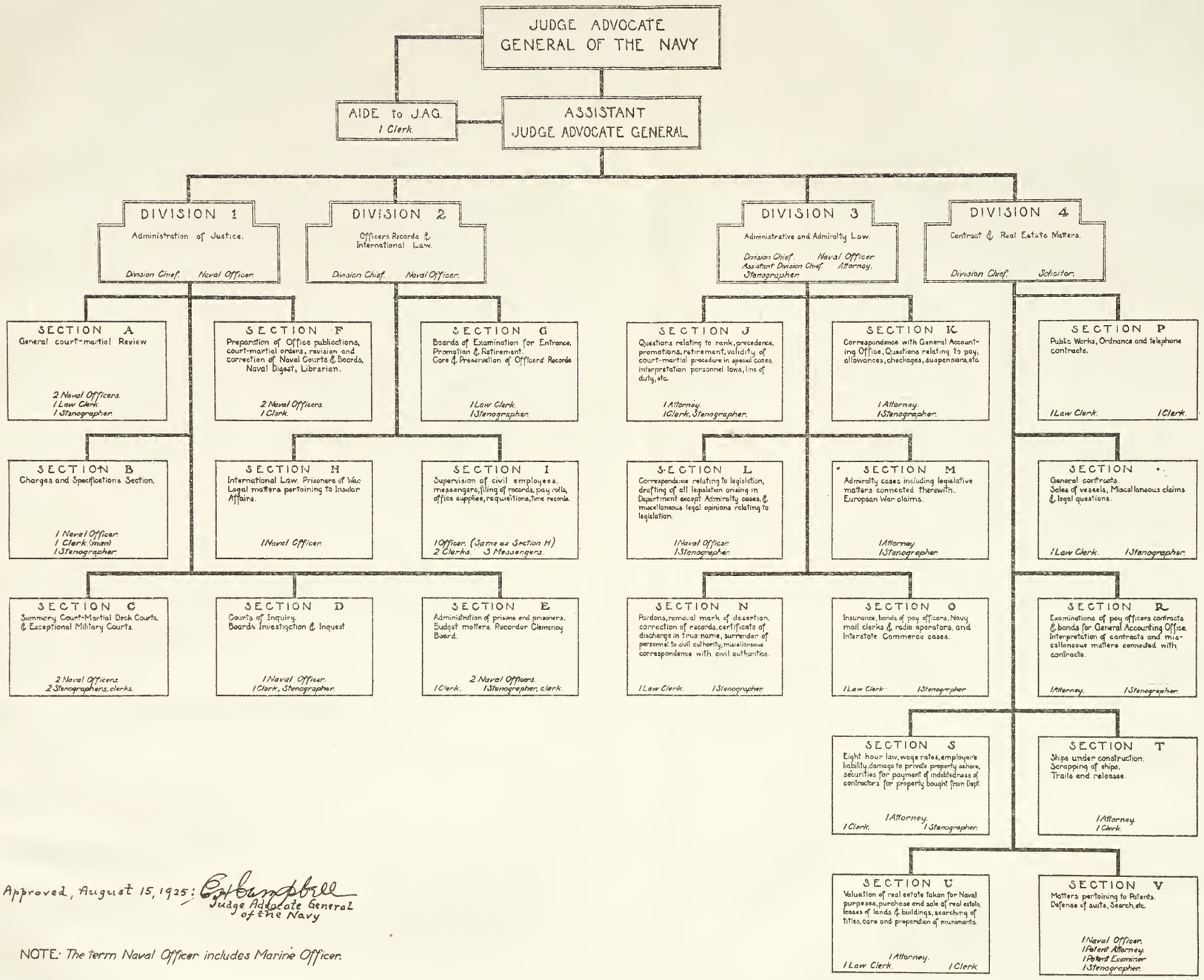
Officers of the Marine Corps, records reviewed:		
Failed professionally	3	
Failed physically	2	
Failed morally and professionally	0	
Qualified for promotion	33	
		38
Officers of the Naval Reserve Force, records reviewed:		
Failed professionally	78	
Failed physically	38	
Qualified for promotion	297	
		413
Officers of the Marine Corps Reserve, records reviewed:		
Failed professionally	1	
Failed physically	0	
Qualified for transfer	32	
		33

RETIRING BOARDS

Officers of the Navy, records reviewed:		
Retired	65	
Fit for duty	6	
Temporarily incapacitated	12	
Incapacity not in line of duty	1	
Reconsidered by special naval retiring board	39	
		123
Officers of the Marine Corps, records reviewed: Retired		7

RECAPITULATION

Examinations for admission, Navy and Marine Corps	226
Examinations for promotion, Navy and Marine Corps	1,775
Examinations for retirement, Navy and Marine Corps	130
Total	2,131



Approved, August 15, 1925: C. P. Campbell
Judge Advocate General of the Navy

NOTE: The term Naval Officer includes Marine Officer.

H. O. Misc. No. 2595

ANNUAL REPORT OF THE CHIEF OF THE BUREAU OF YARDS AND DOCKS

NAVY DEPARTMENT,
BUREAU OF YARDS AND DOCKS,
Washington, D. C., September 15, 1925.

From: Chief of Bureau of Yards and Docks.
To: The Secretary of the Navy.
Subject: Report of operations of the Bureau of Yards and Docks for the fiscal year 1925.

1. The following report concerning the operations of the Bureau of Yards and Docks for the fiscal year ending June 30, 1925, is submitted:

2. Expenditures for work performed under the supervision of this bureau during the fiscal year 1925 totaled $12,710,108.27, against $18,230,192.30, for 1924. One hundred and eighteen public works contracts were awarded during the year and 110 closed. Since July 1 of this year 19 public works contracts have been awarded and 17 closed. One hundred and eleven contracts are now open. The largest single contract let during the fiscal year was for the construction of the repair and fitting out pier at Puget Sound, awarded February 21, 1925, for $1,187,648.

3. Appropriations placed under the control of the bureau by Congress for 1923, 1924, 1925, and 1926, were as follows:

Purpose	1923	1924	1925	1926
Maintenance	$5,800,000	$5,650,000	$6,217,500	$6,750,000
Contingent	150,000	125,000	175,000	[1] 125,000
Salaries in bureau	214,350	188,690	237,480	238,000
Public works construction	4,017,500	2,866,500	3,128,000	2,745,500
Total	10,181,850	8,830,190	9,707,980	9,858,500

[1] $50,000 in deficiency act.

On July 1, 1925, out of the total appropriated for the fiscal year 1925 there was unobligated $46,399.05. Including balances of appropriations for prior fiscal years the unobligated balance was $1,477,190.73, but of this amount approximately $312,000 will be returned to the Treasury as not now being required for the purposes for which appropriated. Since July 1, 1923, the bureau has reported for return to the Treasury balances amounting to $5,855,718.09, exclusive of the approximate amount of $312,000 above mentioned.

DRY DOCKS AND MARINE RAILWAYS

4. Contracts were awarded for additional high-power electric capstans for the dry docks at Portsmouth, N. H., and South Boston, Mass., which will make the docking of vessels much less hazardous, particularly at South Boston, where vessels of the largest size are handled. The facilities of the South Boston dock were further increased by the addition of new and heavier bollards, the extension of air and water lines, and the installation of a sewage-disposal system for ships in dock. Necessary dredging at the entrance of this dock was also performed during the year.

5. A large latrine was constructed adjacent to Dry Dock No. 3, Philadelphia, for the use of dock operators, workmen, and ships' crews. A new caisson for Dry Dock No. 1 at Norfolk was constructed, and this important structure was again made available for use.

6. Maintenance work was performed on dry dock pumping plants, caissons, blocking, etc., at various places, particularly on the floating dry dock *Dewey* at Olongapo. The pumping plant for Dry Dock No. 1 at the navy yard, Philadelphia, Pa., was converted from steam to electric drive. This change is to be made on all old pumping plants as the steam units reach the end of their useful life.

7. During the year, the wrought-iron hauling chains on the marine railway at Charleston were replaced with cast steel chains. This marks the adoption of this kind of chain as a standard for Navy marine railways. Hereafter replacements as well as new chains will be of cast steel.

NAVAL RESEARCH LABORATORY

8. Extensive repairs were made to the timber pier at the laboratory at Bellevue, D. C., and a reinforced concrete vault for the storage of valuable papers, models, etc., was constructed. Plans were begun for a new laboratory building at this station. The assembly of suitable equipment, by purchase or the transfer of surplus stocks, continued throughout the year.

DISPOSAL OF SURPLUS PROPERTY

9. Some surplus property remains on hand and is being transferred wherever it can be used to advantage or sold in cases where no use for it can be found or foreseen. The supply is now practically exhausted.

10. An effort was made without success to sell or lease the property at Squantum, Mass., acquired during the war period and it is being maintained by this bureau in an inactive status.

POWER PLANTS AND DISTRIBUTING SYSTEMS

11. The capacity of the central power plant at the navy yard, Pearl Harbor, has, within recent years, been largely increased by the addition of boilers, turbines, and an air compressor. The increase in the circulating water required for the additional demands made it necessary to construct a new circulating loop from the water front.

This consists of a 54-inch pipe line made with precast concrete pipe, the total length of which is about 630 feet. There were also included concrete manholes, cast-iron frames and covers, screens, and sluice gates. The cost of this project was $117,363.

12. A fire engine of 750 gallons per minute capacity was purchased for the naval base at a cost of about $11,000.

13. At the west end of the navy yard at Puget Sound there were several small boiler plants serving the fuel oil activities and the marine barracks. Investigation developed the fact that considerable saving in the operating expenses could be effected by the installation of additional boiler capacity in the west-end boiler plant with consequent shutting down of two smaller plants. Two boilers of 500 horsepower each were obtained without cost from the Navy supply depot, Brooklyn, were transferred and installed in the west-end boiler plant. A new reinforced concrete chimney, an extension to the boiler plant to house the boilers, and an extension to the underground steam distributing system from this boiler plant to the marine barracks, hospital, etc., were constructed. The approximate cost of this work was $90,000.

14. There was also provided at Puget Sound new refrigerating and ice-making equipment at the naval hospital, consisting of motor-driven compressor, condenser, cooling coils, brine pump, and freezing tank. The approximate cost of this work was $5,000.

15. The heating plant at the Navy supply depot, Brooklyn, included six 500-horsepower Keeler boilers. The decrease in the activities at the base made it unnecessary to operate more than three of the boilers, and when need for additional boiler-plant equipment arose at Puget Sound it was found feasible to transfer two of these boilers from South Brooklyn at an approximate cost of $3,700.

16. Contracts were awarded for additional power-plant equipment to meet the increasing demands for power at the marine barracks, Parris Island, S. C. One contract includes the installation and brick setting for a 500-horsepower boiler, which was transferred from excess stock. For this boiler there were also purchased a mechanical side-feed stoker with extended furnace setting and a new radial brick chimney. No additional building extension was necessary. The amount of this contract was approximately $38,000. An additional contract for new equipment in the engine room in the power plant was awarded to include a 625 KVA turboalternator with exciter, surface condenser, turbine driven and motor driven centrifugal circulating pumps, air ejector, and switchboard complete with all electrical apparatus. This contract amounted to approximately $25,000.

17. At the naval hospital, Washington, the boilers in the power plant could not be economically repaired owing to their age and their replacement became necessary. Contract was awarded for four 300-horsepower, water-tube boilers with brick settings and mechanical stokers and forced-draft fans at a cost of approximately $42,000.

18. At the central power plant, navy yard, New York, the steel chimney had been in service so long that its continued use was dangerous on account of excessive corrosion which had taken place.

It was removed and contract was awarded for a new radial brick chimney 200 feet high and 10 feet inside diameter for approximately $15,000.

19. At the same yard there was installed in the mold-loft floor of the structural shop an automatic sprinkler system to increase the fire-protection facilities for the valuable material stored in the building. At the naval hospital, Brooklyn, changes were made in the boiler plant to increase the capacity. The improvements consisted of a new incinerator plant of larger size than the old unit, combined with heating coils and sterilizing equipment.

20. Repairs, including provision for saving condensate, were also made to the underground steam distributing system at a cost of about $17,500.

21. A radial brick chimney for the combined boiler and incinerator plants was also constructed, and certain changes in the building were made, including steel sash, concrete roof, metal-covered doors, built-up roofing, and piping and electric-lighting systems. The cost of this work amounted to $36,000.

22. At the radio station at Annapolis contract was awarded for approximately $2,500 covering an extension to the outside steam distributing system with concrete trench and manhole.

23. The refrigerating plant at the naval station, St. Thomas, Virgin Islands, was formerly operated by a single oil engine, which did not provide any breakdown service. Contract was awarded for $3,500 to cover a duplicate engine, which would be available for immediate use in case the present engine became disabled. It is necessary to maintain refrigeration constantly at this station.

24. At the naval operating base, San Diego, Calif., underground electric extensions were made at a cost of approximately $2,500, which consisted in general of new manhole with transformer, fiber conduits incased in concrete, electric cables, etc.

25. At the navy fuel depot, Melville, R. I., a new radial brick chimney was constructed by contract, costing $3,700, to replace a steel stack which had corroded to such an extent that a part of it was blown down during a storm.

26. At the destroyer base, San Diego, Calif., an automatic refrigerating plant was installed at a cost of approximately $2,000. The equipment consisted of a 2-ton motor-driven ammonia refrigerating machine with necessary pipe coils, automatic control, wiring and piping connections.

27. An electric freight elevator of 4,000 pounds capacity was installed at the naval air station at Pearl Harbor for approximately $4,500, and an electric passenger elevator was installed at the naval hospital at San Diego, Calif., for about $6,500.

28. Electrically operated capstans were installed at the dry dock, navy yard, Portsmouth, N. H., for about $7,500.

29. Repairs, alterations, and curtailments in the operation of the underground steam and hot water distribution systems at the submarine base, New London, have brought about an annual saving of about $10,000.

30. Repairs and renewals were made to the electrical distribution system and to the fire protection system at the Canacao Hospital, Cavite, P. I., at a cost of about $60,000.

31. Repairs and renewals were made to the fire protection systems at the naval stations, Guam and Tutuila, at a cost of about $19,000.

32. Improvements and alterations in the heating systems at the Washington Marine Barracks to remedy defects were made at a cost of about $7,000.

33. Repairs and renewals were made to the underground steam distributing system at the Washington yard at a cost of about $40,000.

NAVY YARD AND NAVAL STATION DEVELOPMENT

34. The filling of the back channel area at Philadelphia mentioned in the last annual report has been completed. The land area of the navy yard has been increased approximately 135 acres at a very small cost as a result of this work. Plans and specifications have been completed for the installation of concrete paving on a number of the streets of the yard and for redredging the water front to the extent permitted by available funds.

35. Plans were completed for improvements to piers Nos. 6 and 7 at the Boston Navy Yard and for dredging at the navy yard and at the naval dry dock, South Boston.

36. Contract was awarded and work is under way on the 1,200-foot fitting-out pier at the Puget Sound Navy Yard.

37. At the navy yard, Mare Island, the water front reconstruction program is nearing completion, all work being scheduled to be finished early in the current fiscal year. The reconstruction of dikes has been completed and only a small part of the quay walls, the submarine base wharf and the receiving ship wharf remain to be completed. Work is also under way at this yard on the construction of a new 15-inch hydraulic dredge to be used in maintaining depths at the yard water front.

38. At Pearl Harbor the quay walls and pier at First Street have been completed and investigations and plans are being made for an extension to the First Street Pier, planned under funds appropriated for further water-front development. The concrete wharf for the gasoline-storage depot on Ford Island and concrete piers Nos. 3 and 4 and a small wharf at the submarine base have been completed. Contract has been awarded for the construction of a woven-wire fence around the main station at this base.

39. At the naval training station, Great Lakes, Ill., work is under way by contract for the extension of water intake, necessitated by the harbor-development project. Work is also in progress under contract on the construction of a reinforced concrete arch bridge over the ravine between the main station and the hospital. This structure will replace the unsightly railroad trestle leading to the hospital, which has outlived its usefulness.

40. Other water-front projects under way at other stations include reconstruction of the deck of the station wharf at marine barracks, Parris Island, S. C., under contract; reconstruction of the station wharf at Tutuila, Samoa, by station forces, and the construction of a small section of bulkhead wall at the submarine base, Key West, Fla., also by station forces. This latter construction is being carried on in an experimental way to determine the best design and method

of construction for the extension of this wall authorized by Congress. Dredging at Coco Solo, Canal Zone, is also being done, the work being performed by the Panama Canal. Plans are being prepared for the replacement of the present timber magazine wharf at Guantanamo, Cuba, with a modern, reinforced concrete pile pier. Plans are also being prepared for partial reconstruction in reinforced concrete of the fuel-oil wharf at this station.

FLEET FACILITIES

41. Certain urgently needed moorings at the naval base, Pearl Harbor, Hawaii, were completed in time for the arrival of the fleet in the Hawaiian Islands for its recent maneuvers. Work is now under way on the additional moorings authorized in the last naval appropriation act.

42. At Mare Island Navy Yard the mooring dolphins in Mare Island Strait are being replaced by yard labor.

43. The beacon towers marking the trial course at Vashon Island, Puget Sound, have been completed by contract.

44. Investigations of site, at Cavite, P. I., proposed for the floating dry dock *Dewey* are nearing completion and plans will shortly be started.

SHIPBUILDING REPAIR AND MISCELLANEOUS INDUSTRIAL FACILITIES

45. A new steel and concrete roof has been constructed for the foundry at the navy yard, Boston, Mass., building No. 42–C, to replace the old wooden roof which was a serious fire risk and did not provide proper lighting and ventilation. A new travel base is being constructed under contract for 40-ton dry-dock crane No. 12 at this yard.

A new hull has been constructed for the floating crane at Cavite, P. I., and plans have been prepared for a new hull for the 120-ton floating derrick at Norfolk.

46. The construction of a new fitting out and repair pier at Puget Sound Navy Yard has been mentioned under the heading "General development of yards and stations."

STORAGE FACILITIES

47. There were few increases during the year in storage facilities at navy yards and stations. A one-story general storehouse and a paint and oil storehouse extension were completed at the naval operating base, Pearl Harbor, Hawaii. Material for a steel building 260 feet by 70 feet, with cranes, is being shipped from the naval ordnance plant, South Charleston, W. Va., to Pearl Harbor for erection as a storehouse for heavy materials. Material for this building was obtained from the War Department surplus.

RADIO STATIONS

48. The public works projects relating to radio stations were almost entirely minor ones, such as station improvements of various sorts.

49. The radio compass station at Galveston was further developed by the construction of two 75-foot masts for antennæ supports, and a pole line for electric power transmission.

50. The new buildings at the radio compass stations at Point St. George and Destruction Island, which had been planned during the fiscal year 1924, were placed under contract and completed. These buildings are of a new type which combines under a single roof all the activities of the station. The contract was made for the construction of a road to the Point St. George station, as access to it was difficult and uncertain.

PUBLIC WORKS FOR THE MARINE CORPS

51. Work at the Marine Corps Expeditionary Base at San Diego continued during the fiscal year under a contract for a barracks building, a storehouse, quarters, roads, and service connections. This involved very little work at the bureau.

52. The most important new project undertaken for the Marine Corps was the construction of a supply depot at San Francisco. The appropriation for this project provided for the construction of a three-story building capable of being extended by the addition of two additional stories and located on a tract of land which was transferred to the Navy by the Treasury Department. It was essential that the building be ready for occupancy before June 30, 1925, as a large part of the space occupied by the depot quartermaster was held on a lease which could not be renewed. The bureau proceeded with the preparation of plans and specifications for the various parts of the work with the utmost dispatch, and when the $500,000 appropriation became available, made contracts to cover them. Before the building had been completed the Congress authorized the use of the unobligated balance of the appropriation for adding the two additional stories, and this work was started and proceeded with in such a way as to cause no interference with progress on the original structure, which was completed on time and occupied by the Marine Corps as contemplated. The principal contracts for this project, with the approximate amounts involved, were as follows:

Grade site	$50,000
Three-story storehouse	281,000
Elevators	16,000
Two-story extension	153,000
Total	500,000

The extension will provide additional space for the depot quartermaster on the fourth floor and office accommodations for the twelfth naval district on the fifth floor.

53. Plans prepared at the navy yard, New York, for altering building No. 93 into quarters for marine officers were reviewed by the bureau and the work authorized by yard labor. The remodeling of this building will provide apartments for six families.

54. Detailed plans were prepared for coal bunkers for the storage of anthracite coal at the marine barracks, Quantico, Va., to replace old bins which had so deteriorated that the railroad company refused to place its cars over them. A contract was made for this

work, providing for the completion of the bunkers in time to permit filling them before cold weather.

55. In order that larger storage for well water at the rifle range at Annapolis might be provided, so as to permit a longer period of settling, the bureau prepared plans and specifications and made a contract for a new settling basin of 75,000 gallons capacity.

56. The work at other places undertaken by the bureau for the Marine Corps consisted of repairs, remodeling, and painting.

FUEL-OIL STORAGE

57. The reserve oil-storage plants at Pearl Harbor and Portsmouth were completed during the year under stipulations arranged by the Government's special counsel. The continuation of these projects to completion involved considerable work on the part of the bureau, though no further plans were required.

58. No new oil-storage projects were placed under contract. Plans and specifications for two gasoline tanks at Pensacola were prepared, but the bids received were thought to be excessive and were rejected. This project will probably be undertaken during the fiscal year 1926.

WATER-SUPPLY PROJECTS

59. The construction of a joint Army and Navy water supply, to satisfy the requirements of the naval station at Pearl Harbor and Fort Kamehameha, has been practically completed. The Army's share of the money became available on July 1, 1924, and the funds were transferred to the Navy. With these funds there were installed at Pearl Harbor two large elevated water tanks, and the piping connections required to make them serve all the activities of both services in that vicinity.

60. An appropriation for an additional storage tank for water at the naval station, Guantanamo Bay, became available at the beginning of the fiscal year. The bureau was able to secure a suitable tank of 500,000 gallons capacity from surplus property without transfer of funds, and this tank was shipped to Guantanamo, where it is now being assembled under contract, while the necessary piping connections are being installed by station labor.

61. The failure of one of the artesian wells at Annapolis made it necessary to augment the water supply at the Naval Academy, and the bureau prepared plans and specifications and made contracts for two new wells and well houses. The stratum from which water is secured is far down, and it was necessary to drill the wells to a depth of about 600 feet.

62. Complaint having been made by the fire department of the District of Columbia that it could not assure protection to the Naval Observatory on account of the inaccessible location of hydrants and the inadequate sizes of mains, the bureau prepared a plan showing a loop system of 8-inch pipe with hydrants at suitable points. Funds for this project were allotted by the Bureau of Navigation and this bureau placed the work under contract before the close of the fiscal year.

63. The most important water-supply projects undertaken during the year was that of providing a new supply for the naval air station, Pensacola, Fla. The old, deep wells had failed and the temporary shallow well system did not yield an adequate supply. The Bureau of Aeronautics allotted the necessary funds, and plans were prepared by the public works officer at Pensacola which, after review and minor revisions by the bureau, were issued to bidders. Contracts were executed before the end of the fiscal year for two wells to tap a stratum of excellent water, a pipe line about 5 miles long to the station, and a concrete reservoir of 1,200,000 gallons capacity.

NAVAL HOSPITAL CONSTRUCTION

64. Contracts were awarded for an addition to the nurses' quarters, naval hospital, San Diego, at $108,280; for a storehouse and two pharmacists' quarters at the naval hospital, Pearl Harbor, Hawaii, at $105,507; for alterations to naval hospital, Norfolk, Va., at $41,966; for an incinerator plant and boiler-house chimney at the naval hospital, Brooklyn, N. Y., at $35,946; and for a psycopathic ward building at the naval hospital, Mare Island, at $91,977. In addition, contracts were awarded in smaller amounts for repairs, modifications, and road work at various hospitals aggregating $72,300.

65. Drawings and specifications for a general ward building, a contagious ward building, a sick officers' quarters, and a heating plant at the naval hospital, Mare Island, Calif., have been completed at an estimated cost of $800,000. A contract was awarded on August 12, 1925, at $384,000, for a main building, subsistence building, ward building, storehouse, heating plant, and Chinese quarters at the naval hospital, Canacao, P. I., to replace deteriorated structures. The cost of all of the hospital construction mentioned above is chargeable to the naval hospital fund with the approval of Congress.

VETERANS' HOSPITAL CONSTRUCTION

66. An act of Congress approved April 20, 1922, authorized the Director of the United States Veterans' Bureau to request the preparation of veterans' hospital drawings and specifications by any Government department equipped for the work, subject to the President's approval. In accordance with the act, this department prepared drawings and specifications for hospital construction at Tupper Lake, N. Y.; St. Cloud, Minn.; Gulfport, Miss.; Excelsior Springs, Mo.; and Augusta, Ga. Contracts for the first four of the hospitals mentioned were handled by this department, but the contract for the Augusta, Ga., hospital was under the United States Veterans' Bureau. The cost of the work was approximately $4,150,000. The last contract was closed during the fiscal year 1925 and the original tracings and records were forwarded to the United States Veterans' Bureau.

TRAINING STATIONS

67. Training-station projects covered, in general, necessary repairs and replacements of existing work, including water-intake exten-

sion, railroad system improvements, sewerage system improvements, and railroad trestle replacement at Great Lakes, Ill., totaling $115,000, and at San Diego, Calif., work on roads, walks, and distributing systems at a cost of $40,000.

SUBMARINE BASE

68. At the submarine base, New London, Conn., major repairs were made to the mine pier, the tender pier, and the eight finger piers. At the navy yard, Portsmouth, N. H., increased permanent facilities were provided for charging batteries of submarine boats at their berths. At other bases, routine repair work was performed in connection with the shore establishments.

ORDNANCE ESTABLISHMENTS

69. At the naval ammunition depot, Pearl Harbor, a fire-protection system, a storehouse for ammunition details, and a case-filling house were completed except for installation of certain equipment in the case-filling house. At the naval torpedo station, Keyport, Wash., an extension to pier No. 1 was completed, and extensions to the sewer system and to the torpedo storehouse were practically completed. Other improvements at ordnance stations included repairs to south dock and the construction of a double set of quarters for marine and medical officers at the naval ammunition depot, Iona Island, N. Y. Contracts were awarded for a torpedo storehouse and a warhead storehouse at the naval operating base, San Diego, Calif.

PUBLIC WORKS FOR AVIATION

70. During the past fiscal year the principal public works projects undertaken or completed were as follows:

71. *Anacostia, D. C.*—A steel-frame storehouse for the storage of airplane engines was built. A contract has been awarded for the construction of a combined lavatory and laundry building. The building will be 68 feet long and 30 feet wide, with hollow tile stuccoed walls and slate roof. The contract price is $23,000.

72. *Camp Lewis (Lakewiew), Wash.*—A mooring mast of the guyed type has been erected on the United States Army reservation. The *Shenandoah* was docked at this mast on October 18 and 19, 1924, on the west coast flight.

73. *Cape May, N. J.*—An effort was made during the fall of 1924 to lease the station to a commercial airship company for building and operating purposes. No bids were received, and the project has been dropped. The department has recently been corresponding with the Coast Guard with a view to having that organization take over the station. No decision has been arrived at in this matter. The water main supplying the station with fresh water is laid along the ocean front and is in danger of being washed out by heavy storms. An agreement has been entered into with the city of Cape May whereby the main will be relaid two blocks farther back from the shore line, where it will be out of danger. The work will be done by the Cape May city authorities.

74. *Coco Solo, Canal Zone.*—The naval appropriation act for the fiscal year 1925 carried an item of $237,000 for the development of the air station. This work includes dredging, bulkheading, and filling the site selected for the new development, design of, and award of contract for a two-section seaplane hangar 220 feet by 160 feet by 24 feet, concrete pavement around hangar, and concrete runway. The dredging and filling have been completed as far as funds will permit and the other work is well under way.

75. *Fort Worth, Tex.*—A mooring mast of the guyed type was erected on a leased site about one-half mile from the helium production plant. Water supply and helium gas lines were laid from the helium plant to the mast. The *Shenandoah* was moored at the mast on her westward trip on October 8 and 9 and again on the return trip on October 24, 1924.

76. *Hampton Roads, Va.*—A contract has been awarded for a new reinforced concrete seaplane runway, which will give much better facilities for launching seaplanes than is now available. The contract price for the work is $47,627.

77. *Hawaiian mooring mast.*—A guyed type mooring mast, similar to the ones at Fort Worth, San Diego, and Camp Lewis, is being erected at Ewa, about 16 miles from the Pearl Harbor Naval Station. All of the equipment and materials for the mast have been furnished by the department, and the mast is being erected by contract. It is expected that the mast will be completed about August 1, 1925.

78. *Lakehurst, N. J.*—An underground high-pressure helium storage system has been built and put in operation. The system consists of 10 large steel cylinders about 45 feet long by 4 feet in diameter, with concrete operating and inspection galleries, booster compressor house, and piping. The station garage burned on the night of May 21, 1925. The building and contents, except a few trucks, were a complete loss. A new steel building will be erected on the site of the burned building. The estimated cost of the new building is $12,500.

79. *Pearl Harbor, Hawaii.*—The naval act for the fiscal year 1925 carried an item of $173,000 for new buildings and improvements. In accordance with this act, the bureau has proceeded with this work, which includes a two-section seaplane hangar 220 feet by 160 feet by 24 feet, concrete pavement around the hangar and a concrete runway. Certain additional work, such as dredging, grading, roads, electrical work, etc., will be performed by the station forces.

80. *Pensacola, Fla.*—The naval act for the fiscal year 1925 carried an item for a new water-supply system for the station. In accordance with this act, the Bureau of Yards and Docks has prepared plans and awarded contract for the system. The work includes artesian wells, pumping machinery, a pipe line about 5 miles long, etc. The contract price for the work is $118,824. The station is working on the enlargement of the landplane flying field. When this work is completed, the station facilities for landplane training will be greatly improved.

81. *Philadelphia, Pa.*—The development of the easterly end of the navy yard for a landplane landing field has progressed continuously during the past year. A large amount of filling has been placed, sewers have been laid, and a large area has been graded and seeded. A contract has been awarded by the Bureau of Yards and Docks for

the conversion of storehouse, Building No. 133, into a landplane hangar. The work consists of placing large doors in one side of the building, rearranging the windows, and replacing the entire roofing and siding with new material. The contract price is $29,381. When this work is completed, the flying field will be provided with a well-located and serviceable hangar.

82. *Quantico, Va.*—The following projects have been completed: Three double enlisted men's barracks have been built by the station forces. The bridge and trestle over Chopawamsic Creek and swamp have been surfaced with bituminous macadam. The station sewer system has been relaid. A hangar 66 feet by 100 feet by 14 feet has been erected by the station forces. The materials for the hangar were transferred by the Marine Corps from Santo Domingo.

83. *Rockaway Beach, Long Island.*—Orders were issued by the Secretary of the Navy to remove all equipment, survey and sell or otherwise dispose of all buildings and other structures, and turn the property back to the city of New York. The necessary steps are being taken to carry out the Secretary's orders.

84. *San Diego, Calif.*—A mooring mast of the guyed type was erected. The *Shenandoah* docked at the mast on the outgoing trip from October 11 to October 16 and again on the return trip on October 21 and 22, 1924. The condition of the *Aroostook* pier became such that it could no longer be safely used, and it has been torn down and replaced by a creosoted timber structure. A warming-up platform, having an area of about 45,000 square feet, has been built in front of the land plane hangars.

85. *Sand Point, Wash.*—The necessary steps to secure title to the land are being taken by the Judge Advocate General. No development work has been done on the site.

CHARLESFORT MONUMENT, PARRIS ISLAND, S. C.

86. The second deficiency act approved December 5, 1924, contained an appropriation of $10,000 for the construction of a permanent monument on the site of Charlesfort. A contract was awarded in June, 1925, for a granite marker about 15 feet high inscribed on one side as follows:

Erected 1925, by the Government of the United States of America to Mark the First Stronghold of France on this Continent.

and on the other side:

Here Stood Charlesfort, Built by Jean Ribaut for Admiral Coligny, a Refuge for Huguenots and to the Glory of France.

MAINTENANCE

87. During the fiscal year 1925 the bureau allotted funds under appropriation "Maintenance, Bureau of Yards and Docks," to 65 navy yards, stations, and offices, totaling $6,215,997.34, against $6,217,500 appropriated. This does not represent all of the expenditures for the purposes contemplated by the phraseology of the act. Under the authority contained in an act of June 30, 1914, funds are taken from other of the so-called working appropriations of the Navy to bear a pro rata share of the amount by which actual ex-

penditures for such purposes exceed the amount of appropriation "Maintenance, Bureau of Yards and Docks." During 1925 this excess amounted to $4,481,760.21. The advantages of making charges direct to specific appropriations has been heretofore pointed out and are generally conceded to be real. The present method of prorating charges requires an elaborate accounting system and is particularly unsatisfactory, owing to uncertainty as to what the appropriation charges will amount to and the difficulty in securing reliable information as to unobligated balances at a time when it is needed to efficiently control future expenditures. The remedy for these ills is larger appropriations under "Maintenance, Bureau of Yards and Docks."

MOTOR VEHICLES

88. No motor-propelled passenger-carrying vehicles were purchased after the close of the World War until the beginning of the fiscal year 1925. The act for that year allowed 5 cars of the $1,500 class, and 20 of the $500 class, and 15 motor cycles at $300. These vehicles were purchased and assigned to replace worn-out vehicles. The act for 1926 authorized the purchase of 2 $2,500 cars; 15 $1,500 cars, and 30 $500 cars. For each car of the $2,500 and $1,500 classes purchased the department is required to dispose of a car in use and of a make now costing in excess of $2,000. The 2 $2,500 cars, 12 of the 15 $1,500 cars, and 3 of the $500 cars have been purchased to date, and the others will be purchased in the near future. The acquisition of these new cars will result in reduced operating costs and improved service. A list of passenger motor vehicles in use as of August 15, 1925, will be published in "the Budget, 1926." It will show 215 vehicles in use, exclusive of Marine Corps vehicles, as follows: Seventy-three seven-passenger cars, 82 five or less passenger cars, 13 busses, and 47 motor cycles.

89. Efforts to buy the authorized cars in one lot were not successful, apparently for the reason that the number involved was not sufficient to warrant any unusual discount from list prices. Individual local purchases are therefore being made, after competition, from local dealers who offer the best value for the money, everything considered.

90. Motor trucks on hand number 1,166, against 1,172 a year ago.

CLASSIFIED EMPLOYEES IN THE FIELD

91. The classified employees at navy yards and stations under the cognizance of the bureau on July 1, 1925, numbered 421, against 452 on the corresponding date in 1924, a reduction of 31. The total amount paid such employees, exclusive of the retirement fund, was $857,296.15, under the limit of $926,250 fixed by law.

FINANCES

92. The appropriations under the bureau made for the fiscal year 1925 amounted to $9,757,980, which, with $1,797,913.14 remaining unobligated under prior continuing appropriations, made a total of $11,555,893.14 available July 1, 1924. Of this total $9,143,453.87 was

obligated up to July 1, 1925, $935,248.54 was reported for return to the Treasury, and $1,477,190.73 remained available. Of this latter amount $196,018.80 was obligated during July and August, and $1,281,171.93 remained available September 1, 1925, exclusive of 1926 appropriations. Of this available balance approximately $312,000 will be reported for return to the Treasury upon the final settlement of open accounts. The larger part of the remainder is being held pending the determination of legal proceedings and negotiations incident to the acquisition of lands.

93. The 1926 appropriations for public works amounted to $2,745,500, and of this amount $1,310,450.31 had been obligated up to September 1, 1925, and further obligations are in sight which will absorb most of the balance.

94. On July 1, 1925, the bureau had 141 memorandum accounts of appropriations and 1,272 allotment accounts open, against 146 and 984, respectively, a year ago.

95. During the year, 3,107 purchase requisitions were received, 2,954 of which were approved, against 2,897 and 2,743, respectively during 1924.

NAVAL PROPERTIES

96. The bureau's list of properties owned, leased, or occupied for naval purposes shows 875 such properties at this time. The list includes office rooms, rights of way, storage spaces, landings, unoccupied reservations, etc., numbering 664, leaving 211 properties being used for the more active purposes of the service. Properties owned number 484, properties leased 256, and properties occupied by permit 135. It was proposed last year and the year before to dispose of certain owned properties no longer required for naval purposes, but the necessary legislative authority was not granted. These properties will be recommended again for disposition this year.

PUBLIC WORKS CONTRACTS

97. During the fiscal year ended June 30, 1925, there were awarded by the bureau 118 public works contracts, involving $4,196,374.38, as against 112, involving $3,678,934 during 1924. There were also entered into four supplemental agreements involving $10,171.76, making a total net contract obligation of $4,206,546.14, exclusive of minor change orders. No cost-plus contracts were awarded during the fiscal year, all work being regularly advertised, competitive bids received, and award in all cases made to the lowest responsible bidder.

CIVIL ENGINEER CORPS

98. On September 1, 1924, the civil engineer corps consisted of 96 regular officers, excluding one officer carried as an extra number. On October 18, 1924, the department approved of holding an examination for the appointment of four candidates from civil life, but only two qualified in the examination. These two were commissioned in March, 1925. In June, 1925, two line officers who were pursuing postgraduate work in civil engineering at the Rensselaer Polytechnic Institute, Troy, N. Y., were transferred to the civil engineer

corps, making a total of 100 officers exclusive of one extra number. A resignation from the personnel of the corps, effective September 3, 1925, leaves it with a permanent strength of 99 officers, exclusive of the extra number.

99. Six line officers in addition to the two transferred in June are under postgraduate training with a view to subsequent transfer. Of these eight, four will not be available for duty until June, 1927, and four in June, 1928. In other words, the corps has only 97 officers available for duty until June, 1927, when four of the postgraduate students will complete their training. Considerable time will necessarily elapse subsequent to their graduation before they can be of much material service, due to the necessity for acquainting these inexperienced students with new professional work.

100. The experience of the chief of bureau in recommending the assignments made necessary by existing work and to provide proper maintenance for the public works and public utilities of the existing naval establishments clearly shows that more officers for these duties could be utilized to a decided advantage. With the present trend toward economy and curtailment the subject of proper maintenance of a more than half a billion dollar shore investment becomes of vital importance and demands close application to obtain the most benefit from the limited funds available. The funds necessary to provide the small number of additional officers to fill the corps to its authorized strength of 110 would unquestionably save considerable in expenditures that would be required for replacements as time passes.

101. Having these facts in mind and knowing of the difficulties that have been experienced in making the details most urgently needed, the chief of bureau strongly recommends that the appointment of two candidates from civil life be authorized and that three ensigns be selected in the usual way to begin postgraduate training in civil engineering beginning July 1, 1926.

BUREAU PERSONNEL

102. The personnel of the bureau, officer and civilian, during the fiscal year was too limited for the proper and expeditious conduct of the bureau's affairs and occasional overtime work without compensation was voluntarily performed. The force employed, officers and civilians, was increased during the year from 99, as shown in the annual report for the fiscal year ended June 30, 1924, to 112, an increase of about 11½ per cent. This increase in the force was brought about by transferring to the bureau seven of its former employees who had been temporarily located at several of the navy yards and stations in connection with the preparation of various plans and specifications which the limited force of the bureau was unable to handle, and by transferring to the bureau rolls six employees previously paid by the Veterans' Bureau and engaged upon hospital construction work which this bureau was performing for that bureau.

103. During the year the bureau found it necessary to continue to cause the preparation of various designs, drawings, and specifica-

tions at the navy yards and stations owing to the limited technical and drafting force at the bureau. The increase of $48,790 granted by the act for 1925 to cover reclassification increases, to supersede the bonus, and for additional employees was distributed as indicated in the bureau's report for 1924. The increased force which the bureau employed during the year made possible more expeditious and economical performance of work, although it is still too small numerically to handle the bureau's business to the best advantage. The bureau feels, therefore, that its civilian force should be further increased.

104. As a measure of increased economy and efficiency the bureau on October 1, 1924, changed its internal organization as regards drafting room and specification writing activities. The drafting room and specification section were placed under a single head instead of having the various squads of specialist draftsmen report to project managers as had been so successfully practiced during the war load on the bureau. With reduced load and correspondingly smaller personnel a single administrative control is better, making as it does for a more flexible organization and a more even distribution of work.

L. E. GREGORY, *Chief of Bureau.*

REPORT OF THE CHIEF OF BUREAU OF NAVIGATION

NAVY DEPARTMENT,
BUREAU OF NAVIGATION,
Washington, D. C., September 9, 1925.

From: Chief of Bureau of Navigation.
To: The Secretary of the Navy.
Subject: Annual Report of Chief of Bureau of Navigation for fiscal year, 1925.

1. There is submitted herewith the annual report of the Chief of Bureau of Navigation, comprising a synopsis for the fiscal year 1925 of the activities of this bureau, of personnel data and statistics, and of general recommendations relative to personnel.

CHANGES IN CHIEF OF BUREAU

The present incumbent, Rear Admiral W. R. Shoemaker, United States Navy, has held the office of chief of bureau throughout the fiscal year.

SYNOPSIS OF ACTIVITIES

The Bureau of Navigation is charged with matters affecting the supply, discharge, education, administration, and discipline of personnel of the Navy and Naval Reserve, as well as the operation of the Naval Home, Naval Academy, Hydrographic Office, and Naval Observatory. The activities and accomplishments of the bureau will be discussed under the headings of the administrative divisions comprising it which have cognizance of the work of carrying out its functions and duties.

GENERAL

In considering personnel there is no positive solution, absolute mark of excellence, or stability of conditions such as pertains in material matters. Improvement in the condition of personnel results from improvement in a large number of variables which surge up and down dependent upon administrative action, education and training, operating and living conditions, industrial conditions throughout the country, etc. However, the aggregate of these variables plotted over a period of time would indicate the general trend of personnel conditions. In the past three years, the bureau considers, with a stabilized enlisted strength and an attempt to analyze and treat each component factor composing personnel efficiency separately, that general improvement has been had and will continue with further application of the administrative methods in force. Changes of administrative procedure are made when conditions warrant. The personnel problem has been attacked on the procurement, training and education, distribution, permanence of detail, living, operating, leave and liberty, recreation, and dis-

ciplinary sides. All of these are contributory; any poorly handled will reduce efficiency and disaffect personnel to some degree.

Subject to the foregoing general remarks, the fiscal year 1925 has been marked by a return to stabilized personnel conditions such as pertained before the late war, and by a general improvement in the character and experience of the personnel, as well as in the tone of the entire Naval Establishment in its personnel phases.

The high percentage of reenlistments, the decrease in percentage of net desertions, the reports on personnel from unit commands, and the improvement in material conditions are indicators of a general improvement in the character and skill of the personnel and in its administration. The methods of operation of the fleet and the cooperation of the naval commanders afloat have contributed to the result, and the bureau is appreciative of the cooperation and effort made in the service at large to assist the bureau in carrying to solution its personnel problems.

Enlisted personnel conditions particularly have steadily improved, and further improvement is to be expected by continuing the measures now in effect to procure, train, and administer personnel with continuous attention to the many details which contribute to successful administration.

A matter of moment to the Naval Establishment is the inadequacy of funds in "Pay of the Navy, 1926," for the allowed numbers of personnel. This inadequacy of funds is a matter of immediate concern to the Bureau of Navigation in relation to the problem of administering personnel during the fiscal year 1926, but is of most concern for the future in relation to personnel strength for maintenance of the 5–5–3 ratio and in steps to be taken for provision of personnel for ships under construction, authorized, or planned as replacements or additions to the fleet.

While this appropriation is under the administrative cognizance of the Bureau of Supplies and Accounts, the actual administration of and responsibility for enlisted personnel as to numbers, complement, distribution, ratings, and pay grades is controlled by the Bureau of Navigation. Therefore, when a condition of inadequacy of funds for allowed numbers exists, this bureau becomes directly concerned in adjustments and corrective action.

The appropriation "Pay of the Navy" provides for the pay and allowances of the personnel of the active and retired lists of the regular establishment, for transferred members from the regular service to the Fleet Reserve, and for miscellaneous items such as reenlistment gratuities, death gratuities, gunnery, and engineering prize money. No subhead of the appropriation is controllable administratively within appreciable limits except pay of the active enlisted personnel, because the other subheads are controlled by operation of the statute laws in relation to the distribution, numbers, rights to pay, etc. It is obvious, therefore, that an inadequacy of funds for the allowed numbers of naval personnel in any fiscal year necessarily results in administrative action to reduce the enlisted strength or in restrictions in the numbers of petty officers, which latter restriction involves retardation of promotion, as vacancies occurring in petty officers must be absorbed by the reduction of numbers.

The appropriation "Pay of the Navy" for the fiscal year 1925 totaled $117,000,000. It was only by administrative action during the last six months of the fiscal year that an overexpenditure of the appropriation was avoided. The appropriation for the fiscal year 1926 also totals $117,000,000, and it was estimated at the beginning of the fiscal year 1926 that if the allowed numbers of personnel were maintained and a balanced distribution of enlisted personnel existed, a further sum of about $2,500,000 would be required.

The reason for the inadequacy of funds in "Pay of the Navy, 1926," dates back to the passage of the new pay bill of June 10, 1922. When this act was passed, estimates for pay were presented on the basis of the best information available, but, due to lack of performance data and to the fact that the Bureau of Navigation was unable to reach a balanced distribution of enlisted men in pay grades, in that due to turnover most of the men were in the lower pay grades, large sums of money were turned into the Treasury from the 1923 and 1924 appropriations. This influenced the Budget in reducing the pay total for 1925 below the estimates, and the 1926 estimates were likewise reduced, although before both the Director of the Budget and the Appropriations' Committees of Congress special and repeated representations of an indicated inadequacy of pay for an 86,000 Navy for 1926 were made by the Chief of the Bureau of Navigation and are a matter of record in the hearings.

In view of the fact that the fiscal year 1926 would have been half completed before it would have been even possible to present a request for a deficiency to the Budget against "Pay of the Navy, 1926," for inclusion in the first deficiency bill, the bureau was compelled to take administrative action along many lines to endeavor to keep within the appropriation. This action has involved a reduction of the enlisted strength to 82,000 men and reductions in petty officer and officer strengths. Whether the administrative action taken will meet the indicated deficiency will not be indicated until the pay returns for the first quarter of the fiscal year 1926 are at hand. A request for a deficiency appropriation for "Pay of the Navy, 1926," was presented by the Chief of the Bureau, and submitted by the department.

The bureau is greatly concerned with the future size of the appropriation "Pay of the Navy" as the estimates for the fiscal year 1927 for an 86,000 Navy, with the allowed numbers in other subheads, total $123,000,000, an increase of $6,000,000 over the current appropriation. It is essential that, eventually, with the completion of the new aircraft carriers and provided the material now in commission is to be complemented, that at least 3,000 additional men be provided for in "Pay of the Navy."

The commander in chief, United States Fleet, in his annual report for the fiscal year 1925, recommended an increase in enlisted strength to 96,000 to provide for operation and new construction. This bureau concurs heartily in the recommendation and believes the necessities for the increase are well substantiated by the commander in chief's report. As a stop gap, the material listed in the force operating plan for 1926 can be provided for even with 82,000 men on the rolls, due, however, only to the status of the ships under modernization. Completion of the modernization program will necessitate action to obtain an increase of the enlisted strength by

at least 3,000 men or to reduce the operating force. The bureau strongly urges that the department insure adequate funds in "Pay of the Navy, 1927," and subsequent pay acts to provide for the personnel contemplated. Personnel administration, in endeavoring to keep stabilized conditions with inadequate funds and finish the year with a balance in the appropriation, presents a difficult task. The Bureau of Navigation holds the view that the administrative record of the department and the condition of the Navy depend largely upon the condition, quality, and adequacy of the personnel and recommends that steps be taken to insure that the allowed numbers of personnel are well provided for in the annual Budget estimates. The recommendations of the commander in chief, United States Fleet, as to the strength of the Navy are discussed at length under the heading "Enlisted Personnel Division."

Except for minor administrative problems, the condition relative to officer personnel is excellent. The attrition due to resignations continues at a large figure, but these resignations will continue, due to the competitive and eliminative features of the present personnel promotion act. The bureau in previous reports has recommended an increase from 3 to 4 or 5 in the number of appointments to the Naval Academy for each Senator and Congressman. The Appropriation Committees of Congress, in view of the economy program and of the resignation policy in effect, have indicated that Congress does not consider such increase of appointments warranted. The existing output of the Naval Academy will not permit of the line attaining its authorized strength. However, with but 86,000 men and the limitations imposed by this number on the material that can be manned, the bureau considers it can supply officers to supervise adequately the operation of the material in commission. Increases in the material operated, such as for new construction or for aviation, will have to result in curtailment of activities, of using enlisted men as pilots for the aircraft squadrons, or else an increase in the number of appointments to the Naval Academy must be obtained for efficient operation.

Satisfactory progress has been made in training and discipline throughout the year and is commented upon in the reports of the divisions having cognizance.

Adjusted Compensation Act

The adjusted compensation act which provides for a bonus for veterans of the World War became law May 19, 1924. The provisions of this act provided for a bonus to certain temporary and reserve officers, and reserve and enlisted men. The total number who are eligible for the benefits of the act amounted to 549,000, and the possible number of applications was 600,000.

The work of administering this act fell principally upon the Bureau of Navigation. A large clerical force was built up and trained. The largest number of employees engaged during the year at any one time was 305.

Up to and including June 30, 1925, there had been received 349,447 applications, of which 285,968 cases had been completed. There thus remained as of that date 63,479 applications on hand, as repre-

senting the amount that the work was behind on that date. This number is rapidly being reduced and represents about 15 weeks in arrears of the date of receipt of applications.

On June 30, about 63 per cent of those entitled to the bonus had applied and about 58 per cent of the total possible number of applications have been received. The difference between the total number of eligibles and the number representing those who might apply (about 50,000) represents that class of men who served in the Navy, but who come under the exceptions of the law and so are not entitled to the benefits of the adjusted compensation act. Many of these men make application and a review of their cases requires as much if not more time than the applications of the qualified veterans. The details of the adjusted compensation act were drafted principally around service in the Army and the interpretation of the act to naval service resulted in the development of difficulties which have required considerable study to adjust.

Personnel Legislation

The personnel legislation of the last Congress included a new Naval Reserve act and the omnibus bill. The purpose and effect of this legislation will be discussed at length later in this report. The bureau has no personnel legislation pending for presentation to the Congress, except that a modification of the present eliminative-promotion system is before the department for consideration, and is discussed under the heading "Officer Personnel Division."

Officer Personnel

Although demands of the Budget for economy in naval expenditures come with increasing force, the fact that the enlisted personnel of the Navy has been stabilized at approximately 86,000 men for the last four years, and the certainty that without change in law the year 1927 will see the last large Naval Academy class mustered into service, have all strongly tended toward a stabilization of naval policy with respect to personnel, including officer personnel, and have in fact rendered possible the consideration of plans for the future without the probability of facing large expansions or contractions which might be destructive to accepted plans of procedure.

An analysis of the actual needs of the shore going establishments for line and staff officers has been completed by the Bureau of Navigation and this analysis, with the known requirements at sea, has given definite figures fairly indicative of naval personnel needs at the present time. A similar survey has been completed for the warrant officer branch. For the present immediate needs of the naval establishment there are available a sufficient number of commissioned officers of all branches of the service except the line.

The stated requirements for aviation officer material as naval aviators is being investigated by the Bureau of Navigation. The data on hand indicates that even with the selected physical material available as Naval Academy graduates, the present physical standard of the aviation flight examination will eliminate 66 per cent. In addition to these eliminations, flight test requirements of the primary flight schools at Pensacola eliminates an additional 40.2 per cent

of the material sent there, giving a total of 20 per cent acceptances, or 80 per cent rejectons in the officer material originally available. With the Naval Academy on a three appointment basis, averaging about 260 graduates, it is obvious that the total possible increment of increase of commissioned pilots per year would be 52 with present methods of administration and standards for selection. The aviation attrition figure runs from 7 to 8 per cent annually, so that eventually the naval aviators will stabilize at a figure between 700 and 750. The bureau is investigating the aviation physical examination with a view to determining the minimum variation from the standard this bureau can accept in order that a larger number of eligibles would be available. The remarks of the commander in chief, United States Fleet, on the subject matter in his annual report for the fiscal year 1925 illustrate the point of view of the fleet:

AVIATION

87. During the year great advance and improvement has been made in the training of the air squadrons and their use in connection with the fleet. The increased number of air units available to the fleet have been used freely in the joint Army and Navy problems, in gunnery exercises, in tactical exercises, in scouting, in patrol, in torpedo recovery and in numerous service functions. No one could have passed through this year in active and close association with the fleet without realizing that these air units are now, and must always be, an inherent and integral arm of the fleet; and that the personnel manning these units can not be other than thoroughly seagoing, instructed and experienced in, and inured to, the technique, habits, customs, and doctrines of the fleet. The air squadrons as a part of the fleet are no different essentially than the destroyer squadrons or the submarine divisions, and their personnel must be made up of the same sort of personnel with the same sort of experience and training. Since the commander in chief fully realizes the importance of having all line officers obtain a thorough knowledge of aviation as an important and indispensable arm of the fleet, he recommended to the department that all students at the United States Naval Academy be given a course in aeronautics. While it is realized that all graduates may not be able to qualify as naval pilots, and fewer still as naval aviators, nevertheless the great majority can qualify as observers and become familiar with the problems connected with the offensive and defensive employment of aircraft.

96. There is a grave deficiency in the number of aviators for proper maintenance of that arm of the fleet. Efforts have been made within the fleet during the past year to encourage officers to volunteer for this duty, and it is expected that the requirement that graduates of the Naval Academy be trained in actual flying will remedy the present deficiency. The ratio of applicants among the younger officers to number returned as naval aviators is very low. This may lie in the physical requirements and training methods. If aviation really requires the superexcellence indicated it is doubtful if the required number can ever be maintained.

There is on hand in the Bureau of Navigation a report of a Personnel Board convened in the Bureau of Aeronautics in which they stress a requirement for aviation of 1,500 pilots. The Bureau of Navigation considers that proper pilot material may be obtained from selected enlisted men, and for reasons of economy and of availability of line officers, it is essential that enlisted pilots be used to man the bulk of the aircraft operated in naval aviation and that the function of the naval aviator be to lead, direct, and administer these units.

With the course in aviation at the Naval Academy the bureau has the selective means to determine the available material in each class for detail to naval aviator primary-flight training. The bureau recommends, that, commencing with the class of 1926, after the

completion of two years of general line duties subsequent to graduation, a number of graduates considered by this bureau as the current officer pilot requirement at the time for the aeronautical organization, be detailed to that organization for a five-year detail. This initial detail to be followed by a withdrawal to general line duties for two years when 50 per cent only of the number will be returned to aviation duty for four years, followed by another withdrawal to line duties for two years with the return of 50 per cent only to aviation duties. This final increment on return to aviation remain on the duty until eligible for selection to commander when they will be considered available for detail to any duty as their flying utility as pilots will be nil.

This bureau is unable to conceive that specialization of line officers as naval aviators for a full career is desirable or essential. The aviation problem technically as to the knowledge required is no more specialized than the operation of any other type and is even less than the requirement in some of the technical branches of the line in which specialization is not necessary now. The measures taken at the Naval Academy will ground the line in aviation if sufficient flight time is added to familiarize officers with operation. This grounding of the line is held distinct from the qualification of a limited number of officers as naval aviators. After two years duty subsequent to graduation the required number can be detailed to Pensacola for primary training as naval aviators, and their career will then follow the procedure outlined in the preceding paragraph.

The Officer Personnel Division, in connection with the Training Division of Navigation is now conducting a study of the various post-graduate courses, with a view of establishing a definite policy for the future in these highly important educational processes. With the existing shortage of line-officer personnel this problem is essentially a question of adjusting demand to supply available, considering the number of officers who can be spared for detail to the various schools and the time in each officer's career when such detail should be executed.

As the highly variable postwar factors of officer personnel approach a constant, not only are uncertainties removed from these factors themselves but other variables are restricted to constantly narrowing limits. On the whole, officer personnel may at the present time be considered as approaching one of its recurring periods of stabilization, and the officer personnel peace-time difficulties are approaching a condition which will permit of their solution by both an efficient distribution for the Navy and rotation of duty for the individual officer.

The great expansion of officer personnel that must be made upon mobilization is being studied and plans are being made to provide means for obtaining and training the necessary officer material.

Officer Legislation

Legislation reorganizing the reserve force along more economical and more efficient lines became a law in the last session of Congress, as did likewise the omnibus bill, which bill carried various items affecting parts of the personnel of the Navy.

Mr. Britten, Member of Congress from Illinois, has introduced a bill which varies in two important essentials from the present line personnel law. His bill proposes to substitute retirement for length of service since graduation for retirement for age. This bureau considers this might be an important and useful change in the interest of equality of opportunity, if provision or modification can be affected so that the operation of the act will not work injustice to certain classes in congested sections of the line list and provided present benefits accruing upon retirement are not withdrawn in essentials.

The second important change proposed by the Britten bill is the extension of selection downward, with accompanying elimination features which provide for a major elimination of officers in going from lieutenant to lieutenant commander instead of from lieutenant commander to commander, as under present law.

A forceful criticism which has been brought against this phase of the proposed legislation is that it introduces into the prospects of promotion in the Navy too much uncertainty with accompanying unrest and dissatisfaction. There is probably no greater uncertainty of promotion under the proposed legislation than there is under present law. The only difference is that the period of major uncertainty is in a sense shifted from about the twenty-third year of an officer's service under present law to about the fourteenth year of an officer's service. With any selective-eliminative promotion scheme uncertainty is a sine qua non.

The bureau recommends departmental action to have the number of appointments for each Congressman and Senator increased from three to at least four, as four is the smallest number of appointments which may be expected to maintain a line strength sufficient for present needs.

The following table shows officer personnel on active duty as of June 30, 1925:

Line	4,941
Medical Corps	832
Dental Corps	159
Supply Corps	577
Chaplain Corps	87
Corps of Mathematics	7
Construction Corps	235
Civil Engineer Corps	101
Chief warrants	992
Warrants	458
Total	8,389

The following table shows officer personnel on active duty as of June 30, 1925, as compared with officer personnel of June 30, 1924, and June 30, 1923:

	June 30, 1925	June 30, 1924	June 30, 1923
Line	4,941	4,785	4,596
Staff	1,998	1,945	1,937
Chief warrant	992	877	616
Warrant	458	519	824
Total	8,389	8,126	7,873

The following table shows the number of retirements, resignations, dismissals, and deaths during the fiscal year ending June 30, 1925:

	Retirements	Resignations	Discharged or dismissed	Deaths	Total
Line	75	133	4	31	243
Staff	24	28	4	5	61
Chief warrant	12	6	3	6	27
Warrant	4	14	7	2	27
Total	115	181	18	44	358

Attention is invited to the line strength on June 30, 1925, and to the fact that there will be but two more large classes from the Naval Academy. The highest probable line strength will be 5,200 in June, 1927. The line strength will decrease thereafter until the yearly attrition is equal to the yearly number of graduates from the Naval Academy.

Naval Academy

The following table shows the number of midshipmen authorized at the Naval Academy for 1923 and the number authorized for 1924 and 1925, when the law reducing the quota for Senators and Representatives from five to three is effective:

	Number of midshipmen authorized for 1923	Number of midshipmen authorized for 1924 and 1925
96 Senators	[1] 480	[2] 288
435 Representatives	[1] 2,175	[2] 1,305
2 Delegates	[1] 10	[2] 6
Porto Rico (Governor General)	1	1
Porto Rico (Resident Commissioner)	5	2
District of Columbia	5	2
Presidential, 15 each year, 4 years	60	60
Enlisted men, 100 each year, 4 years	400	400
Total	3,136	2,064
Total reduction in quota for 1924 and 1925		1,072

[1] Five each. [2] Three each.

Appointments from Naval Reserve, beginning with 1926, 25 each year, 4 years, making total quota on paper for 1926 2,164

Number of midshipmen at the Naval Academy on October 1, 1924:

First class	462
Second class	501
Third class	706
Fourth class	304
Total	1,973

Number of midshipmen at the Naval Academy on June 30, 1925:

First class	465
Second class	629
Third class	267
Fourth class	336
Total	1,697

The number of midshipmen—94—entering the academy this calendar year as a result of the competitive examination from the enlisted personnel is the largest number appointed in any one year since these appointments were authorized by law in 1914.

Although the law now authorizes on paper a quota of 2,164 midshipmen at the Naval Academy, it is not possible to have this number there at any one time on account of failures, mentally and physically, of midshipmen at the academy and of candidates for entrance, and for the further reason that vacancies in the quota of 100 annually from the enlisted personnel and 15 annually for the President at large can not be carried over from year to year. Again, the sudden reduction in the quota of midshipmen for Senators and Representatives from 5 to 3 will cause for the next four years entering classes much smaller in size than the quota would indicate, for the reason that it is necessary to wait for 3 midshipmen to graduate or resign from certain districts before there is a vacancy. It is estimated that there will be an entering class in 1925 of about 400. The size of the entering class will probably be slightly over 400 for 1926 and will be in the neighborhood of 650 for 1927.

The clause which appeared in the naval appropriation bill, approved January 22, 1923, reducing the quota of midshipmen for Senators and Representatives, has been included in the current naval appropriation bill, and reads as follows:

> *Provided further*, That no part of this appropriation shall be available for the pay of any midshipmen whose admission subsequent to December 13, 1924, would result in exceeding at any time an allowance of three midshipmen for each Senator, Representative, and Delegate in Congress; of one midshipman for Porto Rico, a native of the island, appointed on nomination of the governor, and of two midshipmen from Porto Rico, appointed on nomination of the Resident Commissioner; and of two midshipmen for the District of Columbia.

The quota of midshipmen for Senators and Representatives has therefore been reduced by a limitation on appropriation as shown above. The law authorizing five midshipmen for each Senator, Reperesentative, and Delegate in Congress has not been changed. It is recommended that the limitation referred to be removed and that the quota of midshipmen as now authorized by law be not changed. As stated in last year's report, the bureau believes that the best interests of the country as well as of the Navy would be served by providing pay for five appointees for each Senator, Representative, and Delegate in Congress, as heretofore, and in case there should be any surplus not necessary to retain in the naval service they should be honorably discharged and allowed to return to civil life where they would be subject to call in case of need and where the naval training would be of great benefit.

On May 5, 1925, the Secretary of the Navy approved the following measures recommended by the Bureau of Navigation:

(*a*) The study of aeronautics to constitute an integral part of the Naval Academy course. To this end the department of engineering

will become the department of engineering and aeronautics and the department of seamanship the department of seamanship and flight tactics.

(*b*) That all graduates be given, in addition to the courses of the regular curriculum in the department of engineering and aeronautics and the department of seamanship and flight tactics, three months' special intensive instruction in ground and flight work, so that all graduates according to their physical qualifications may become qualified either as naval observers or naval aviators.

(*c*) To complete the flight work necessary to qualify each graduate as a naval observer or naval aviator during the first two years after graduation, which period is classed as the instructional period of junior officers.

In initiating this instruction the bureau proposes:

(*a*) To commence with the class of 1926. One hundred and fifty members of this class, instead of making the Naval Academy cruise commencing June, 1925, have been retained at the Naval Academy and will be given there, with visits to air stations as may be necessary, three months' theoretical and practical instruction in aeronautical subjects, and during this period their physical qualifications and assignment for pilot or observer training will be determined.

(*b*) The remainder of the class of 1926 to be retained, upon graduation, at the Naval Academy, for at least three months to receive similar special instruction during this period.

(*c*) The entire class of 1926, during the first class year (fiscal year 1926), will, under the department of engineering and aeronautics and the department of seamanship and flight tactics, be given instruction in aeronautics in the regular curriculum.

(*d*) All classes subsequent to the class of 1926 will receive instruction under the department of engineering and aeronautics and the department of seamanship and flight tactics during the regular curriculum and will be given three months' special instruction under these departments immediately subsequent to graduation.

The following paraphrased remarks from the annual report of the Superintendent of the Naval Academy epitomize the purpose and progress of the course:

> The decision to install a course of aeronautics at the Naval Academy is a definite recognition of the fact that aviation in its relation to the operations of the fleet has become one of the fundamentals of naval education. The decision is the result of deliberations, both official and unofficial, within and without the fleet, which have existed for some time past.
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> The ability to fly is the least important part of an aviator's work. If flying alone were the only requisite, a sea gull or a crow could qualify a hundred per cent as an aviator. Mutual understanding based on a knowledge of fundamentals between the man in the air and the man on the surface is essential to efficiency. The case of the sea requires familiarity with its special elements and problems. The demands of the sea and the problems it presents can only be learned by actual contact with the sea and by life upon it in positions of actual responsibility. Uncoordinated activities mean loss of efficiency.
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> The experience of the fleet has indicated the necessity for the man in the air being cognizant of the requirements of the surface and, reciprocally, the man on the surface should have an intelligent idea of the possibilities, the capabilities and limitations of the man in the air. A realization of this fundamental necessity is the basis for including in the curriculum at the Naval Academy a fundamental grounding in aeronautics as one of the fundamentals of naval education.
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> The present action accords with the recommendation of the special naval board, which completed its report about five months ago. It is in accord with the experience of those in command afloat. The decision was reached after delibera-

tion between the Secretary of the Navy, the Assistant Secretary of the Navy, the Chief of Naval Operations, the Chief of the Bureau of Navigation, the Chief of the Bureau of Aeronautics, and the Superintendent of the Naval Academy.

The question as to how best to meet the growing need and importance of aviation is not a new one for the Naval Academy. It has been successfully met time and again in the past in other lines as when electricity, radio, modern ordnance, fire control, communications, etc., were all introduced to keep up with new ideas and new developments.

The Naval Academy has consistently, if quietly and unobtrusively expanded the curriculum introducing new developments in all directions by eliminating obsolete and pruning less important matter. Aeronautics and aviation will thus receive the consideration due its growing importance to the fleet.

The point to be emphasized is that whether a man be on the bridge of a ship or in a plane in the air, each, for efficient teamwork, must be familiar with the requirements of the other, and must be a coordinated part of the whole. Without this efficiency will disappear in divided control and the lack of understanding. In its last analysis the requirements of the knowledge of the fundamentals of aeronautics and aviation has taken its place in the curriculum along the side of those of seamanship, gunnery, engineering, tactics, radio, and communications. The question of whether an officer will later specialize in aviation is one which will be handled in identically the same way as is now done with officers who specialize in gunnery, radio, torpedoes, etc., constantly keeping in mind the fact that the specialism must be based on and in addition to a thorough grounding in the fundamentals of the naval profession.

The summer curriculum in aviation and aeronautics practically covers the "ground school course" and "ground gunnery" as given at the United States naval air station, Pensacola, Fla., the chief differences being that—

There is less radio code practice; and

The instruction in radio instruments will be given in the regular academic course.

NOTE.—The Naval Academy aviation course does not include the total flying hours required by the Pensacola syllabus, but at least eight hours will be given at the academy and more if the equipment is available.

One hundred and fifty members of the class of 1926 will remain at the Naval Academy during the summer of 1925 to take this course, while approximately 338 of this class take the regular summer practice cruise in the battleships.

Each midshipman taking the aviation course will be given the regular "flight (medical) examination" to determine his individual physical qualifications. This will show those who can in the future qualify as "naval aviators" and as "naval observers."

The remaining members of the class of 1926 will undergo the similar training in the summer of 1926 after their graduation and commissioning as ensigns.

The first two months will be devoted to groundwork, but the third month will witness actual flying with midshipmen as passengers, with a minimum of eight hours in the air for each. While in the air each midshipman will be instructed in—

Aircraft radio instruments—sending and receiving.

Use of aerial bombing sights and aerial guns.

Rules of the road (air).

Use of aerial navigational instruments; taking of sights, positions; use of charts, etc.

Safety precautions; use of controls.

General and special instruction in handling planes up to but short of solo flying.

Officer and enlisted personnel of the aviation branch of the Navy reported for duty as assistants in this work. Six seaplanes, with their crews, arrived prior to the close of the fiscal year, and older planes, for engine and rigging instruction, were also supplied.

This enlargement of the aviation course got away to an excellent start on June 8 and bids fair to be thoroughly instructive and extremely beneficial to the naval service as a whole.

Beginning with the year 1925, the bureau eliminated the subjects of French and Spanish from the regular entrance examinations for midshipmen. Where certificates have been accepted from graduates of accredited schools, in lieu of the regular mental examination, a substantiating examination has been required in English and mathe-

matics. This is termed the "Harvard plan" and is being generally adopted by universities and colleges throughout the United States.

Enlisted Personnel Division

The enlisted personnel situation during the past year has been uniformly excellent. The high reenlistment figure of 73 per cent for 1924 has been maintained (72.1 per cent for 1925), but whereas in 1924 this included about 2,900 reenlistments with broken service (more than three months since last discharge), during 1925 only 1,500 such reenlistments were made, showing on the part of the enlisted men a greater appreciation of the advantages of maintaining continuous service. The benefits to the Navy of retaining in unbroken service the skilled enlisted personnel are many. Losses from causes other than failure to reenlist upon discharge have been reduced from 17.5 per cent in 1924 to 13.2 per cent in 1925, based on a total of 86,000. This reduction meant that it was possible to maintain the enlisted strength with 3,666 fewer first enlistments and thereby to assist in attaining greater efficiency in the progressive training of the fleet.

The enlisted strength during the year averaged 85,928. In order to assure that there be no overobligation of the appropriation "Pay, Navy," it was necessary to suspend recruiting near the close of the year, with the result that on June 30 there were but 84,289 men in the service. The number of recruits accepted on first enlistment during the year was 14,147 as compared with 24,688 required in 1924.

There exists a shortage of about 2,000 petty officers; however, this is confined to but a few of the highly specialized mechanical ratings, and service schools are assisting the fleet in meeting the peculiar requirements of these ratings. In the great majority of the trades and ratings represented there are sufficient petty officers to meet service needs. Within the petty officer groups of ratings improvement has been made, the shortage of first-class petty officers having been reduced by 800 and the shortage in second class by 300. The present shortages undoubtedly are due to advancements being withheld until it is certain the men are fully qualified for the duties it is necessary for them to carry on. This attitude has been encouraged by the bureau, and it is felt that it is resulting in a higher standard being required of the present day petty officers.

It has been apparent for some time that the eligibility-list scheme of promotion, whereby all advancements were authorized by the bureau from a common list made up by recommendations from all commands, was deficient in many respects. When it was decided to decentralize promotion and place it in the hands of individual commanding officers as far as possible, no further names were added to the lists already in the bureau. As soon as these lists were exhausted commanding officers were authorized to advance men in all respects qualified to fill vacancies in approved complements. This has resulted in more stability of personnel on ships, has raised the standard of petty officers and restored to commanding officers the prestige and responsibility that had long been theirs.

The authority to advance to chief petty officer has not been given to commanding officers. As fast as the eligibility lists in the bureau for this grade are exhausted some form of competitive selection as

equitable as possible in such a large organization as the Navy will be employed in order that advancements to this responsible position shall be the reward of merit.

Upon demobilization following the World War there remained a large excess of chief petty officers well beyond the needs of the vessels and shore activities then retained in commission. Special legislation permitted many to be transferred to the fleet reserve and attrition has now reduced the number in service to meet the total as shown by the approved complements. During the period, however, when there were many excess chief petty officers in the service, they were employed on duties that had previously been performed by lower petty officer ratings and in consequence a feeling has grown up that it is necessary to have chief petty officers for such duties. Approved complements and personnel allowances have to some extent reflected this abnormal condition. Coincidentally, with the large excesses of this rating in the Navy, their quarters were overcrowded, and for this reason, as well as from the nature of the duties they were performing, the prestige of the chief petty officer was appreciably lowered. The bureau is undertaking a revision of complements and personnel allowances of all activities with a view to substituting lower petty officer ratings for chief petty officers. This should restore the proper relation between the various grades of petty officers and raise the standard of each correspondingly.

The bureau has given serious study to the question of permanency of crews. Perhaps no one item is more far-reaching in its effects upon the efficiency of a ship and consequently the fleet. Each unit suffers proportionately from the turnover of the personnel of the Navy as a whole. This latter amounts to an average of about 22 per cent annually with a four-year enlistment and with current losses from all causes. It has not been considered opportune to insist upon a straight six-year enlistment, though it is recognized that if it could be done such action would materially reduce the annual turnover. The benefits of a six-year enlistment to the individual is not substantial; in fact, from his viewpoint, on account of the travel-allowance feature, a four-year enlistment extended for two years is more desirable than a straight six-year enlistment.

There are many conditions on shipboard that operate to keep a constant stream of men passing through. Men must be sent to shore duty to relieve others who have completed their tours, others require treatment in hospitals on shore, service schools and special details need to be kept filled, and last, but by no means least, transfers are necessary to commission new vessels, complete the crews of those being sent abroad, and replacement drafts must be sent to foreign stations. With no reserve to draw upon the bureau is forced at times to use certain major units of the fleet as reservoirs of personnel to meet these demands. Excessive transfers are subversive to the best interests of the fleet, tends to inefficiency and indifference and to a breaking down of the sense of personal responsibility of the individual for the results attained by the ship to which he may be attached. The bureau has instituted several administrative measures tending toward greater permanency of crews, and in the fleet there has been established a policy of requiring a certain minimum length of service on a vessel before a request for transfer is in order. The commander in chief, United States Fleet, in his annual report of

June 30, 1925, states that the turnover of enlisted personnel in the fleet has been reduced materially during the past year.

The number of men lost to the service by desertion and not returned or delivered has been definitely reduced. In 1923 and 1924 this element of personnel loss was larger than that from any other cause; in 1925 this has been subordinated to fifth place with but a net loss of 991 men as compared with 3,161 in 1924. The policy adopted last year of centralizing in the bureau the issue of all declarations and rewards for deserters has worked well in practice. The percentage of returns from desertions has increased from 59 per cent in 1924 to 79 per cent in 1925 with the result that the average number of net desertions per day has been reduced for the same years from 8.6 to 2.7. The number of gross desertions; that is, the total of all men declared in desertion, has been reduced from 7,787 in 1924 to 4,657 in 1925. This is indicative not alone of the deterrent effect of a high percentage of apprehensions but also of higher personal efficiency, and is certainly most gratifying.

A comparison of the desertion rates in the early periods of service showed that, in 1923, 72 per cent of all the desertions took place in the first year. During the past two years greater care has been taken in accepting recruits and in eliminating the unfit and inapt at the training stations. A recruit division on board capital ships was tried as an experiment and in general more thought has been given to the problem of the newly enlisted men. The result of this concentration has been to reduce the 72 per cent mentioned to 42 per cent. This has not only reduced the total number of desertions but has had the effect of carrying thousands of young men over that critical period of the first enlistment when they are more easily influenced to desert, with more beneficial results to the Navy yet to be felt due to their retention. The recruit division organization has been approved by the Secretary of the Navy and is now permanently established as an integral part of the general scheme of training men for the service.

During the ensuing year but 12,000 enlistments will expire, and as two-thirds of this number are reenlisted men, it is the hope that a reenlistment figure as high as 80 per cent will be attained for the year and, with a consequent small number of first enlistments, the percentage loss for causes other than failure to reenlist will be even less than that for 1925, viz, 13.2. It may be mentioned that this latter figure is the lowest reached in many years.

ENLISTED STRENGTH OF THE NAVY

The enlisted strength of the Navy was limited to 86,000 during the fiscal year 1923 by a provision in the act making appropriations for that year. For the years 1924 and 1925 there was no such provision, although the data substantiating the appropriations for those years were submitted on the basis of an 86,000 Navy, and the operating force plans provided for the employment of that number. Due to the likelihood of overexpenditure of the appropriation "Pay, Navy" for the year 1925 the average strength during the last three months of the year was reduced to about 84,000. As the appropriation "Pay, Navy" for 1926 is insufficient to provide for a strength

of 86,000 throughout the year, steps have been taken to reduce the enlisted personnel to 82,000 pending action on a request for a deficiency appropriation. The proposed operating force plan for 1927 provides for the employment of 86,000 men and it has been possible to take care of the increased personnel for aviation activities and the commissioning of the two aircraft carriers during that year by reason of the fact that three battleships will be in reduced commission for modernization. In 1928, the battleship modernization program having been completed, it will be impossible to man the new construction and take care of the expansion of fleet aviation activities with an enlisted strength of 86,000.

The commander in chief, United States Fleet, has recommended that the allowed strength be increased to 96,000. This bureau concurs in this recommendation. The following is quoted from the annual report of that officer for the fiscal year ending June 30, 1925:

> The necessity for additional personnel for the Navy was shown very clearly during the recent joint maneuvers and fleet concentration. Not only were the naval defenses of Oahu shown to be seriously deficient, but also the forces of the fleet in some respects, notably in aircraft and light mine layers, were so small as to prevent proper conclusions being drawn as to their tactical value as a class. In addition to these present deficiencies, the fiscal year 1927 will see the addition to the fleet of two aircraft carriers, with their large requirements of personnel. The extreme importance of these units will require that each be screened by a division of destroyers. These men must be trained before they can be used in the fleet.
>
> The above additions to the fleet can not be made without additional personnel, and it is urgently recommended that every effort be made to obtain from the next Congress authorization for 96,000 men, the increased number of men to be used for commissioning—
>
> (*a*) *Lexington* and *Saratoga*.
> (*b*) One squadron of destroyers and a tender.
> (*c*) Eight additional light mine layers.
> (*d*) Additional aircraft for aircraft carriers and other surface vessels.
> (*e*) Four armored cruisers for midshipmen's practice cruises.

FLEET RESERVE (NAVAL TRANSFERRED MEMBERS)

During the year 683 enlisted men who had completed 16 or 20 years' naval service were transferred to the Fleet Naval Reserve. The strength of this class of reserve at the close of the year was approximately 6,200.

The new Naval Reserve act that became effective July 1, 1925, makes no provision for the physical examination of those members of the Fleet Naval Reserve transferred before that date. In order that the physical fitness of these men might be determined and their classification in accordance therewith for service in time of war or national emergency might be made, the department, on recommendation of the Bureau of Navigation, directed their physical examination and classification. These examinations were completed prior to July 1, 1925, and the reports at hand indicate that approximately 85 per cent are physically fit to perform any duty that may be assigned them. Such a high standard among men who have rendered 16 to 20 years' service in the Navy and have been separated from the active list for varying periods, in some cases as long as 10 years, lends a feeling of confidence in this excellent reserve of old-time men.

Opportunity was taken during the year to recall to active duty for several months a limited number of transferred members of the Fleet Naval Reserve residing on the west coast for the purpose of assigning them to service with the fleet during the joint maneuvers in Hawaiian waters. This measure has afforded an opportunity, wholly voluntary with the men, to make an interesting and instructive cruise and keep in touch with developments in the Navy since their separation from the active service. The bureau will obtain from the commander in chief United States Fleet a report covering their employment on this cruise, together with recommendation as to the desirability of placing some such plan into effect each year.

Under the provisions of the new reserve act, men transferred to the Fleet Naval Reserve after July 1, 1925, may be required to perform not more than two months' active duty during each four-year period. Shortage of funds in "Pay, Navy, 1926," has operated to suspend action to carry out this section of the act.

ADEQUACY OF LIVING, BERTHING, AND MESSING SPACES ON BOARD SHIP

Many features enter into the development of ships to their maximum efficiency and usefulness for the fulfillment of their missions, and in considering any proposed modernization, alteration, or development certain limits are considered by different bureaus beyond which they insist development on the original design of the ship can not proceed without undue sacrifice in other directions. Thus usually in making changes in ship design, when Construction and Repair mentions stability, Engineering mobility, Medicine and Surgery sanitation, and Supplies and Accounts money further discussion ceases. In a similar manner this bureau considers that any development scheme, if accepted materially, is normally so accepted at the expense of habitability of personnel. This bureau, being charged by law with fixing the complements of ships in commission, and being responsible for administrative action for the welfare of the enlisted personnel, considers that it must, to protect personnel and preserve efficiency, insist that a proper and due provision of habitability for the complement be this bureau's standard as to the point beyond which development or change in original design can not proceed. If additional personnel are required above a proper provision of habitability, there must be an adjustment in material or armament to preserve adequate habitability as provided for in the original design.

This bureau recommends to the Secretary that the General Board in determining the military characteristics of ships take cognizance of habitability and investigate in detail habitability in relation to complement required on the tonnage and for the military characteristics they project for any type.

The bureau recommends that adequate accommodations for enlisted men along the following lines be insured when major alterations to ships are under consideration:

(*a*) Space provided in design of the ship for the proper berthing of crew shall not be permanently reduced by alteration in design or installation of material.

(*b*) Where excess berthing space sufficient to compensate for proposed reduction or construction does not exist on board ship, alterations which reduce or destroy existing berthing space for the crew shall before approval make provision to restore such space.

(*c*) Where the department has approved and directed alterations in design of vessel, which in the opinion of the commanding officer reduces crew space to insanitary overcrowding, without making provision for additional adequate berthing space, the commanding officer shall refer the subject to the department for reconsideration.

(*d*) The Bureau of Navigation shall be consulted by bureaus concerned relative to action on any contemplated alteration or installation which may affect the berthing space provided for the crew.

RECEIVING SHIPS AND BARRACKS

The status of receiving ships and barracks remains as in last year's report, except that the activities of the receiving ship at Pearl Harbor, Hawaii, have been transferred to the submarine base at that place. The U. S. S. *Hancock* has been returned to the United States and will be decommissioned.

In many locations ships are not needed as distributing centers for personnel and that duty could be carried out more economically and more satisfactorily by adopting the "personnel depot" system of distribution. Definite plans are now under consideration.

SUBSISTENCE

The amounts expended for allowances to enlisted personnel in lieu of quarters and subsistence has been further reduced. The necessity for this reduction was imposed by the limited funds available for this purpose.

RECORDS

The muster-roll system of keeping record of ships' rosters has been in operation the whole year. The return to this system has been attended with little difficulty and it is felt the permanency of this form of record will justify the change.

RECRUITING

During the past year effort has been made to obtain the required number of recruits by selective methods of recruiting, to reduce the cost of obtaining these recruits, and to operate the recruiting service as economically as possible. Rent is now paid for but one substation, and wherever space is available main stations are being moved to Government buildings or to quarters of cheaper rental. The recruiting force has been maintained at 492 men, 158 under the complement, and continual effort has been made to reduce incidental costs. No publicity or other advertising expenditures have been made, except by the Recruiting Bureau, New York. Even with the most rigid economy the cost per recruit has risen somewhat over last year, not, however, due to the increased costs of the various items incident to enlisting a man but to the varying requirements of personnel which demanded periodical discontinuance of recruiting.

During these periods necessary expenses were incurred, such as maintenance of station, etc., which when applied to the cost per recruit during periods when men were being obtained necessarily show an increase per cost of recruit per year for 1925 as compared to 1924. This is compensated for by the better class of men obtained in 1925.

The following table shows the cost per recruit by fiscal years for the period of July 1, 1919, to December 31, 1924:

Fiscal year 1920	$93. 50
Fiscal year 1921	68. 82
Fiscal year 1922	94. 82
Fiscal year 1923	51. 54
Fiscal year 1924	50. 61
First six months fiscal year 1925	60. 17

At the beginning of the fiscal year the complement was 86,000. There were 87,332 men in the Navy on July 1, 1924; on June 30, 1925, there were 84,290. This reduction was necessitated by shortage of "Pay of the Navy."

In order that all personnel detailed to recruiting duty might be properly instructed, recruiters' schools at Hampton Roads and San Diego were established on July 15, 1924, to which schools canvassers were ordered for one month prior to assuming duty in the field. These schools have been of great benefit not only in teaching how to recruit but also in indoctrinating recruiting personnel as to the importance of their duties. Results indicate that efforts to obtain "quality recruiting" have been well advised and all applicants must now prove their mental, moral, and physical attributes before enlistment is made. By means of the recruiting schools this procedure has become well standardized, and the instruction of canvassers has been so excellent that quality requirements are invariably complied with. A careful check is also made in the bureau of the qualifications of all recruits. Furthermore, since July 1, 1924, all minors between 17 and 21 are required to obtain written consent of parents or guardian before enlistment. By June 1925, accepted applicants had reached a high mental standard. It is believed that the present system of selective recruiting is one of the causes of reduction in losses.

In order to sustain the interest and increase the effort of personnel on recruiting duty, all stations are placed in competition, and the canvassers also are required to compete among themselves. At the end of the year rewards are given for the best stations and for the best canvassers.

Camera parties of naval personnel are maintained on various ships and stations in the hope that suitable new publicity material may be constantly supplied the Recruiting Bureau.

TRANSPORTATION

By close administrative supervision, economies were effected in passenger transportation costs during the fiscal year and there was a substantial balance left in the appropriation at the close of the year.

By the terms of the 1926 appropriation bill all transportation under the cognizance of the Bureau of Navigation is now chargeable to only

one appropriation, viz, "Transportation and recruiting." This facilitates administration.

In line with this change in the appropriations the bureau thoroughly reviewed all current transportation instructions covering the different classes of passenger transportation, and revised instructions, more complete than heretofore, will be published in the Bureau Manual.

TRAINING DIVISION

The training division is charged with the training, education, and recreation of the officers and men of the regular Navy and the Naval Reserve, except that received at the Naval Academy and Naval War College.

The mission of this division naturally divides into four parts:

(*a*) To continue the training and education of officers of the regular service to fill the various positions in the fleet and shore establishments.

(*b*) To initiate and supervise the training and education of enlisted men of the regular service, in order to assist the fleets to obtain a sufficient number of trained men and petty officers.

(*c*) To supervise the training and education of officers and men of the Naval Reserve and of the Naval Reserve Officers' Training Corps to insure that there will be a sufficient number of trained reservists to meet the needs of the Navy in war.

(*d*) To supervise all recreation activities of the Navy in order to continually increase the morale of the Navy.

To facilitate administration, the division is divided into three sections:

(*a*) Officers, training and education.
(*b*) Enlisted men, training and education.
(*c*) Morale and recreation section.

The detailed duties and accomplishments of these three sections are given hereafter, and a study of the data will indicate overlapping of the work of these sections, necessitating close cooperation between them to obtain the best results. This cooperation is possible due to the closely knit organization and the physical proximity of the sections.

(A) OFFICERS' TRAINING AND EDUCATION

This section supervises the postgraduate schools and the courses of instruction for officers of the Navy; the training and education of officers and men enrolled in the Naval Reserve; naval courses in schools, colleges, and universities; plans for training during war. In liaison with the naval examining board and with other bureaus, it compiles pamphlets for the instruction of officers on professional subjects.

COURSES OF STUDY FOR THE NAVAL RESERVE

A "Syllabus of Study Courses" was issued to the various Naval Reserve units, covering a primary course for enlisted men of all ratings; a secondary course for nonrated men, seaman branch and engineering branch; and an advanced course for rated men, such as coxswains and boatswains mates, shipfitters, painters, electricians'

mates, radiomen, enginemen and machinist's mates, water tenders, boilermakers, yeomen, and storekeepers; primary and secondary courses for officers in the subjects of navigation, seamanship, ordnance and gunnery, and aviation.

POSTGRADUATE SCHOOL, UNITED STATES NAVAL ACADEMY, ANNAPOLIS, MD.

The following number of officers were selected by boards to enter the postgraduate school during the coming year:

Mechanical engineering	18
Electrical engineering	10
Communication engineering	10
Diesel engines	8
Aeronautical engineering	4
Naval construction	9
Civil engineering	4
Ordnance	8
Total	71

Officers will be selected to take postgraduate instruction annually during the month of December, and will be designated during the following February. The following new qualifications have been prescribed:

Except in special circumstances, officers must be qualified pilots before selection for the course in aeronautical engineering, qualified to command submarines in the case of a course in Diesel engines, and qualified operators in the case of a course in communication engineering.

NAVAL RESERVE OFFICERS' TRAINING CORPS

A Naval Reserve Officers' Training Corps has been authorized under authority of section 22 of H. R. 2688, "the Navy omnibus bill," approved March 4, 1925. No funds were appropriated to establish this corps, but it is expected that Congress will make the necessary appropriation at the next session.

Preparations for Naval Reserve Officers' Training Corps similar to the Army Reserve Officers' Training Corps are being made with the view to establishing units at various colleges and universities in the fall of 1926.

COURSE IN GAS ENGINES FOR ENSIGNS

Twenty-seven ensigns, class 1925, United States Naval Academy, began a six weeks' course of instruction in gas engines at the Massachusetts Institute of Technology, while waiting to report to the Scouting Fleet.

EXAMINATION OF LINE OFFICERS OF THE NAVY IN AVIATION

Plans are being made to include in the examination of line officers for promotion the subject of aviation, covering a general knowledge of the various types of planes and their strategical and tactical qualities. The service will be informed of the subject matter required, so that officers may have an opportunity of preparing themselves prior to the inclusion of questions on aviation in their examinations.

BOOKS ISSUED TO THE NAVAL SERVICE AND NAVAL RESERVE

The following books have been printed under supervision of the Bureau of Navigation and issued to the service:

"Elements of Submarines" and "Extracts from Elements of Submarines" to the Submarine School, New London, Conn., and to all submarines and tenders in commission; "Gunnery Instructions for United States Naval Reserve Force" to all Naval Reserve units.

(B) ENLISTED MEN—TRAINING AND EDUCATION

TRAINING STATIONS

During the fiscal year 1925 the four training stations, Hampton Roads, Newport, Great Lakes, and San Diego, remained operative. All recruits sent to these stations were kept under recruit training for eight weeks, including three weeks' detention upon arrival at the station.

Special training is given in swimming, infantry, pulling boats, personal cleanliness, and care of clothing.

On June 30, 1924, there were 4,094 recruits under training, distributed as follows:

Hampton Roads	1,271
Newport	1,003
Great Lakes	675
San Diego	1,145

On June 30, 1925, there were 3,033 recruits under training, distributed as follows:

Hampton Roads	569
Newport	595
Great Lakes	569
San Diego	1,300

Of the latter total, 2,681 were apprentice seamen.

TRAINING OF COAST GUARD PERSONNEL

Upon request of the Secretary of the Treasury, the Navy Department undertook the training of newly enlisted men for the Coast Guard as that organization did not have adequate facilities for such training in the number required by the expansion authorized by Congress.

During the fiscal year training was given to about 985 recruits for the Coast Guard, of which number 800 completed the full course and were sent to sea. The training stations Hampton Roads, Va., and Newport, R. I., were used for this instruction. At the end of the fiscal year there were 63 recruits under training.

SERVICE SCHOOLS

The name "Trade School" has been changed to "Service School." Service schools are maintained for three purposes:

(*a*) To train nonrated men for petty-officer ratings.
(*b*) To afford special advanced training for petty officers.
(*c*) To train men for a particular kind of duty.

A study of the men sent to the service from these schools during the fiscal year 1925 shows that 75 per cent of the men who completed service-school training were nonrated men. The bureau continues its policy of not rating men upon the completion of their service school training. All such men are sent to sea to continue their training and are rated only when they have demonstrated their practical ability to qualify for advancement.

During the year the following service schools were discontinued: Gunner's mates, yeoman, and photographers.

The following schools were established: Fire control at navy yard, Washington; radio materiél at Bellevue Laboratory, Washington, D. C., and at San Diego, Calif.; electrician at San Diego, Calif.; and sound at San Diego, Calif., and New London, Conn.

The total number of graduates of service schools, by ratings, sent to the service during the year is as follows:

Aerographers	7	Sound	100
Radio operators	403	Optical	97
Musicians	129	Pharmacist's mates	157
Buglers	38	Fre control	104
Machinist's mates	423	Submarine	508
Electrical	440	Torpedo men	105
Coppersmith	68	Fuel oil	163
Aviation mechanics	105	Hospital Corpsmen	634
Naval Academy prep. class	175		
Radio materiél	61	Total	3,717

The ratings and number of men sent to the service during the year from the various schools in operation are as given below:

Hampton Roads:	
Radio operators	221
Musician	80
Bugler	17
Machinist's mates	423
Electrical	358
Coppersmith	68
Naval Academy prep. class	107
Total	1,274
Great Lakes:	
Radio operators	84
Aviation mechanics	105
Total	189
San Diego:	
Radio operators	98
Musicians	49
Bugler	21
Electrical	82
Naval Academy prep. class	68
Radio materiél	22
Sound	47
Total	387
Washington, D. C.:	
Radio material	39
Optical	36
Pharmacist's mates	66
Fire control	104
Aerographers	7
Total	252
New London, Conn.:	
Sound	53
Submarine training	508
Total	561
Mare Island, Calif.:	
Optical	61
Pharmacist's mates	31
Hospital Corpsmen	193
Total	285
Newport, R. I.: Torpedo men	105
Philadelphia, Pa.: Fuel oil	163
Portsmouth, Va.:	
Pharmacist's mates	60
Hospital Corpsmen	441
Total sent out	3,717

On June 30, 1924, there were 1,661 men under training at the various service schools. On June 30, 1925, there were 1,502 men under training, divided as follows:

Hampton Roads	730	Portsmouth, Va	117
Great Lakes	26	Newport	72
San Diego	301	Other stations	69
Washington	32		
New London	155	Total	1,502

During the next year the bureau will establish an advanced gyro electrician's school at the navy yard, New York.

NAVY TRAINING COURSES

INCREASED USE OF COURSES

During the fiscal year 1925 the Training Division has furnished the naval service approximately 68,000 Navy training courses. Three thousand courses have been sent out for the use of Naval Reservists, and 900 have been furnished to the United States Coast Guard. Seventy-two thousand one hundred and twenty-six courses in all have been distributed during the year.

The bureau believes these courses are a great help in training enlisted men to perform their duties in a more efficient manner, and if used throughout the service will tend to standardize the examinations for promotion of all ratings.

Up to the present the bureau has made no effort to impose these courses upon the personnel. Enrollment is voluntary and unsolicited.

This is double the largest number furnished during any previous year. Such a large increase is due to the following causes: (*a*) The increase in the number of courses available; (*b*) ships and stations continue to request courses in increasing numbers.

NEW COURSES

During the fiscal year 1925 the following new courses were sent to the printer:

RATING COURSES (8)

Hospital apprentice first class to pharmacist's mate third class.
Pharmacist's mate third class to pharmacist's mate second class.
Pharmacist's mate second class to pharmacist's mate first class and chief.
Gunner's mate third class to gunner's mate second class.
Gunner's mate second class to gunner's mate first class and turret captain first class.
Radioman third class to radioman second class (assignments 1 to 12 only).
Untrained man to seaman signalman third class.
Seaman signalman third class to seaman signalman second class.

GENERAL TECHNICAL COURSES (4)

Compasses and piloting.
Navy gasoline engine.
Condensers.
Office procedure, Part III.

When all of these courses are delivered by the Public Printer, the Training Division will have available for issue to the service 97 courses, of which 37 are rating courses, covering the requirements for the specific ratings for which they are written; 34 are general

technical courses; and 26 are general courses, such as mathematics, English, and the sciences.

It is interesting to compare this list of courses with the courses offered in 1922. At that time a total of 54 courses were listed in the announcement, of which 30 were general technical courses and 24 were general courses. No rating courses had yet been written.

CLASSIFICATION AND TRADE APTITUDE TESTS

Experiments with classification tests and trade aptitude tests, begun about two years ago, have been continued through the past year. Careful study by officers in charge of service schools revealed so close a relation between the scores of men upon the classification tests and their ability to do creditable work in the schools that these tests are now being used to eliminate at the beginning many men who would have to be dropped later for "inaptitude." A test for determining "mechanical aptitude," used as an additional check in selecting men for training in schools for machinist's mates and electricians, has also been shown to correlate very closely with the final grades of men taking these courses.

The Training Division has recently made a study to determine the relation between the grades made by men upon the classification test and their subsequent record in the service. This study covered the records of a thousand men who had been in the service for approximately one year, and who had been given the classification test at training stations shortly after their enlistment. Of this thousand men, 218 had been lost to the service through desertion, bad-conduct discharges, undesirable discharges, special-order discharges, and medical survey. Another 445 of the thousand, still in the service, had not advanced beyond the rating of seaman second class, while 337 others had been advanced to a petty officer rating or to seaman first class. The 218 men lost to the service through various causes had made an average of 52.7 per cent upon the classification test, when they were tested a year before. The 445 men who made no advancement in rating had made an average of 54.4 per cent upon the same test, at the same time, and the 337 men who had advanced in rating had made an average of 68.3 per cent.

Of the thousand men included in the foregoing test, 337 made a score of less than 50 per cent upon the test, and of these 59 men, or 17.5 per cent, were advanced to higher ratings during their first year in the service. The remaining 663 men made 50 per cent or more upon the test, and of these, 278 men, or 41.9 per cent, were advanced to higher ratings during their first year in the service. Of the 337 men who made less than 50 per cent upon the test, 100 men, or 29.7 per cent, were lost to the service during their first year. Of the 663 men who made 50 per cent or more upon the test, 118 men, or 17.8 per cent, were lost during their first year.

All experiments so far made seem to indicate that the use of such tests may save time and expense in selecting men for intensive training for petty-officer ratings. In the study cited above it was found that 82 per cent of the petty officers developed from this thousand men during the first year of their service came from the group making 50 per cent or more upon the test. At the present time all recruits are tested shortly after being received at the training

stations. Test scores are entered upon service records for the information of officers, and a complete report of all recruits tested is received by the Bureau of Navigation. Further study of this data may indicate other practicable uses of the tests in eliminating waste of time and expense in training personnel.

The bureau appreciates that limitations exist in the use of and the deductions to be made from such tests, but the results of the test confirm the soundness of the principle of selective or quality recruiting and the principle of adapting the material available in the shape of man power to the tasks they can best perform—in other words, intelligent handling of personnel is necessary to obtain the best results.

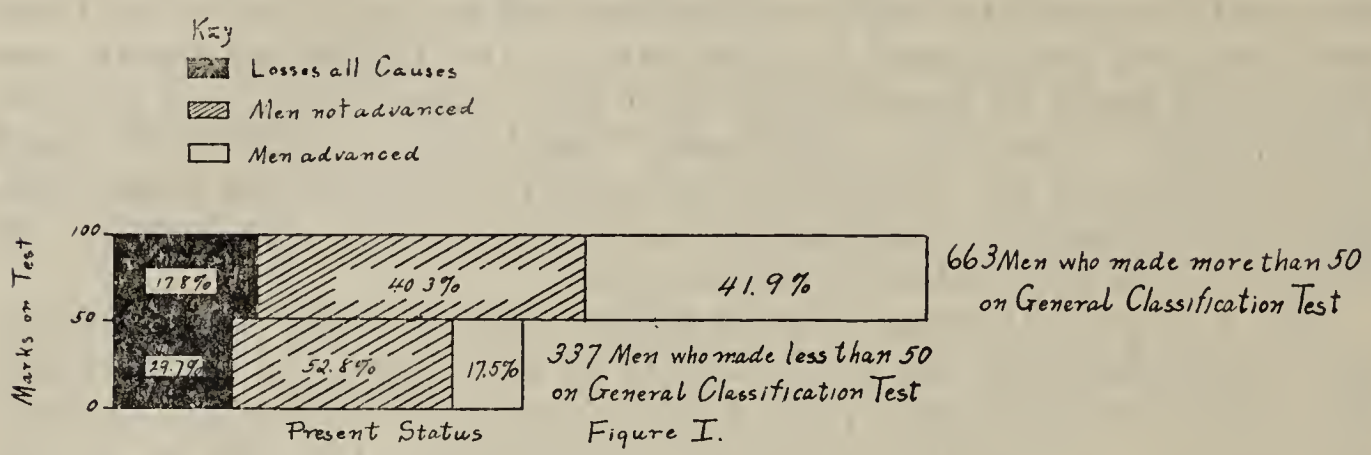
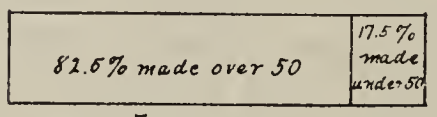


Figure I.

Graphical representation of the present status of 1,000 enlisted men after one year's service subsequent to taking Test; showing percentages discharged, retained but not advanced, and advanced.



337 Total advancements
82.5% made over 50
on General Classification Test

Figure II.

Graphical representation indicating the direct relationship existing between the marks attained on the Test and advancement in the service.

PREVIOUS EDUCATION OF RECRUITS

The service is attracting an increasing number of recruits with sufficient educational preparation to enable them to make an intelligent study of the duties of an advanced rating. Only about 30 per cent of all recruits now being received have had less than a complete elementary education, while slightly over 40 per cent have completed part or all of a high-school course before entering the service. It is believed that a more thorough understanding of the type of training received in the Naval Service, on the part of those in charge of high schools throughout the country, would result in a still larger number of men with high-school preparation being attracted to the service. The Training Division has supplied universities and colleges and many of the larger technical high schools throughout the country with all information available in printed or mimeographed form. A series of articles published by the Secretary of the Navy in the official school magazine of the Department of the Interior has brought many inquiries that indicate a need of supplying educational institutions with more definite knowledge of what the Navy offers in the way of training.

ANNAPOLIS PREPARATORY CLASS FOR ENLISTED MEN

The Training Division cooperated again with commanding officers afloat and ashore by furnishing a preliminary mental examination for all candidates, to be given on September 1, thus insuring a uniform examination for all and eliminating at once those who were obviously so poorly prepared that the preparatory course would not enable them to qualify in the regular April examinations. The course given at Hampton Roads and San Diego again continued from November 1 to March 31. The result of this intensive effort in the selection of suitable candidates and their subsequent training was that 99 enlisted men qualified for entrance to the Academy in the April examination. It is interesting to compare this figure with the figures for 1922 and 1923, when no special effort was being made along this line. During those two years 26 and 23 candidates, respectively, qualified for entrance to the Academy.

ADDITIONAL ACTIVITIES

During the year articles were prepared for educational journals. No exhibit was made at the annual meeting of the National Education Association, nor did the bureau have a representative present as on preceding years. The Training Division received many letters during the year requesting information about the educational and training work carried on in the Navy, which is an indication that schools, commercial organizations, individual educators, and others who are interested in the development of trade education throughout the country desire to keep in touch with the Navy's activity along this line.

(C) WELFARE AND RECREATION

The enlisted personnel has obtained much benefit and its morale has been increased through the administration of the appropriation "Recreation, enlisted men." Recreational and educational features for the men have been increased during the year. Commanding officers have cooperated with the Training Division; the American Red Cross has assisted the bureau with its home service organization.

Reports from all commanding officers of the service show the percentage on a scale of 100 which motion pictures, athletics, and libraries contribute to the recreation and entertainment of the enlisted personnel on each ship and station: Motion pictures, 42.06 per cent; athletics, 26.17 per cent; libraries, 15.6 per cent. Other factors, such as smokers, dances, magazines and periodicals, games and musical instruments, 16.17 per cent.

MOTION PICTURES

The bureau's Navy motion picture service has developed during the past year into the largest organization in the world distributing motion pictures. Naval activities, at sea and ashore, in all parts of the world, depend largely upon Navy film service for the recreation, entertainment, and amusement of their enlisted personnel. Every ship in the Navy equipped with a motion picture machine uses Navy motion pictures. Sixty-five naval shore stations use Navy films.

General Order No. 140 published to the service in November 1924, permits every naval activity to acquire a motion picture projection machine.

The bureau purchases through its 27 contracts with the leading producers the best reviewed feature pictures released each month. Films are received from the producers in duplicate in a prerelease status and are exhibited on board ship at the same time as shown at the leading motion-picture theatres throughout the country.

The bureau has recently put into effect a policy whereby all feature motion pictures purchased are screened and censored by a commissioned officer representing the Training Division and all undesirable features are eliminated before a picture is released to the naval service.

The bureau has produced for instructional purposes during the past year, with the cooperation of the Bureau of Engineering, two educational films: One is the Principles and Operation of the Turbine Engine, and the other is the Storage Battery. These films have been circulated throughout the naval service. The bureau is now engaged in the production of a five reel film called Boilers, as it is realized that visual education by motion pictures is being successfully used more and more by schools, colleges, and industrial corporations, and that the enlisted personnel of the Navy can be benifited by this means of instruction.

ATHLETICS

The bureau's policy is to encourage a general participation in some form of athletics by all the enlisted personnel, following the practice so successfully employed at the Naval Academy, where 90 per cent of the midshipmen are candidates for some Academy athletic team. This policy will extend the benefits of physical development and team play to the ship's company rather than to a chosen few, already well developed physically.

The gradual construction of permanent athletic facilities has been continued and some progress has been made. Funds for the construction of swimming pools, athletic fields and stands, tennis courts, etc., have been limited. Such constructions are expensive and consequently several desirable improvements in the athletic facilities available for the fleets have been postponed.

The Navy has engaged in two interservice athletic contests with the Army. A football match composed of teams of enlisted men was played for the President's cup, and the Leech tennis match was played for the Leech trophy. The Army won both contests.

The Chief of the Training Division is ex officio the representative of the Navy Department on various amateur athletic associations. These associations all encourage amateur athletics among the youth of the United States, following methods very similar to those employed by this division to foster athletics among the enlisted men of the Navy. These associations are extremely careful to preserve the amateur status of those participating in contests which the associations sponsor.

The chief of division is also the department's representative on the athletic committee of the Sesquicentennial Exposition to be held in Philadelphia, Pa., in 1926.

SHIP AND STATION NEWSPAPERS

Ship and station newspapers are a positive factor in promoting the efficiency, welfare and contentment of personnel and in building up ships' spirit, and their publication is encouraged by the bureau, which also advocates the exchange of ship and station newspapers with each other in order to disseminate service news.

During the past year several new ships' papers have begun publication.

LIBRARIES

To make the libraries aboard ship more efficient, books formerly divided into ship's library and crew's library have been consolidated into the ship's library, available to the entire personnel of the ship.

Lack of space on small vessels has reduced, even where funds are available, the supply of recreational reading on board such vessels. The Bureau of Navigation in conjunction with the Bureau of Supplies and Accounts has transferred fiction on board vessels not operating under the general supply system from title "B" to title "V" to enable these books to be exchanged with vessels of a similar class without accounting for them. This procedure facilitates the exchange of fiction with other vessels and permits a fresh supply of recreational reading to be readily obtained. The same number of books thus serves a larger number of men with no increased cost and a larger variety of books is available to the individual. No change has been made in the status of nonfiction books.

The regular allotment of new books has been issued to both ships and stations. Replacements of books worn out or lost have been made. Libraries, supplied with the necessary records, were installed in vessels placed in commission during the fiscal year.

The libraries at the shore stations have continued to function as heretofore. The reports from these libraries for the past year show 15,000 more volumes loaned to readers, exclusive of use in the reading rooms, than during the preceding year. Beginning July 1, 1925, an increased salary scale for station and hospital librarians was put in effect. It is hoped these increased salaries will result in increased efficiency and more permanency among the librarians.

Chaplain Corps Division

At the time of the last annual report there were 86 chaplains on the active list.

The distribution of chaplains on the active list is as follows:

At sea	37	Sick leave	1
Beyond seas	8		
Shore duty	38	Total	87
Leave and waiting orders	3		

This shows 52 per cent on sea or duty beyond seas. The denominational affiliation of the chaplains on active duty is as follows:

Methodist	18	Congregational	2
Catholic	18	Christian	2
Baptist	14	Lutheran	2
Presbyterian	16	Christian Science	1
Episcopal	11	Reformed	1
Disciples	4		

There are 13 chaplains in the Naval Reserve, distributed as follows:

Lieutenant-commanders	2
Lieutenants	2
Lieutenants (junior grade)	9

The statistics gathered from ships and stations indicate that the church attendance of officers and enlisted men has reached approximately 1,000,000 during the year, and average of nine per person per year. In addition to their other duties the chaplains have continued to stress the religious phase of their activities as paramount and that for which they are especially appointed.

Naval Reserve Force

SYNOPSIS OF ACTIVITIES OF NAVAL RESERVE DIVISION

In cooperation with the Chief of Naval Operations, and commandants of naval districts, the Naval Reserve Division has cognizance over the organization, administration, procurement, and training of the Naval Reserve, in accordance with policies approved by the Chief of Naval Operations, and in accordance with law, and is charged with the preparation of regulations governing the organization, administration, procurement, and training of the Naval Reserve.

During this fiscal year the regulations governing the Naval Reserve Force were revised and reissued on January 14, 1925, in mimeograph form. It was not considered advisable to print these regulations as part of the manual in view of the fact that new legislation was at that time pending in Congress to reorganize the Naval Reserve. This legislation, known as "An act providing for the creation, organization. administration, and maintenance of a Naval Reserve and a Marine Corps Reserve," was passed by Congress and approved by the President on February 28, 1925, to be effective on July 1, 1925. This act transferred all members of the Naval Reserve Force and Marine Corps Reserve on July 1, 1925, respectively, to the Naval Reserve and Marine Corps Reserve therein created. The principal features of this bill differing from the old Naval Reserve law are as follows:

(*a*) Officers are commissioned during the pleasure of the President, instead of for a period of four years;

(*b*) A limited number of officers may be commissioned in grades up to commodore;

(*c*) The appointment of 25 men to the Naval Academy each year from the the Naval Reserve and the Marine Corps Reserve;

(*d*) The elimination of all provisional ranks and ratings;

(*e*) The payment of drill pay for actual services rendered on a basis similar to that now provided for the National Guard, in lieu of retainer pay;

(*f*) A liberal uniform allowance for the Fleet Reserve;

(*g*) Transfer to an honorary retired list without pay upon reaching the age of 64 years, after completing 25 years' service, or if found not physically qualified;

(*h*) Preservation of the benefits of continuous service to men enlisting in the reserve within three months of discharge from the Navy;

(*i*) It safeguards the interest of transferred members of the Fleet Naval Reserve;

(*j*) It authorizes military leave for officers and employees of the United States during absence while performing training duty;

(*k*) It provides for two additional classes to be known as the Merchant Marine Naval Reserve and Volunteer Reserve;

(*l*) It provides subsistence for week-end cruises; and

(*m*) It extends the benefits of the Federal employees' compensation act to members of the Naval Reserve injured in line of duty.

A board of 10 officers commenced drafting new regulations to reorganize the Naval Reserve in accordance with the above-mentioned act shortly after its passage. They completed this work in connection with the Fleet and Volunteer Naval Reserve, and the regulations were approved on June 9, 1925. They were immediately issued to commandants of districts in order that the necessary steps could be promptly taken to reorganize battalions, squadrons, and fleet and aviation divisions as provided by the regulations.

During the past fiscal year 15-day cruises were conducted on vessels assigned to naval districts, and on vessels of the regular service, a number of reservists being permitted to accompany the Battle Fleet during the maneuvers in the Pacific. Two destroyers have been assigned to naval districts for the purpose of training naval reservists: The U. S. S. *Fox* in the third naval district, and the U. S. S. *Hazelwood* in the twelfth naval district. These vessels are commanded by officers of the regular service.

The numbers and distribution of officers and men of the Naval Reserve and comparative statements of Naval Reserve activities will be found in the appendix.

During the past fiscal year, officers of the Fleet Naval Reserve, class 1, the Naval Reserve, class 2, and the Naval Reserve Flying Corps, class 5, have been carried in a combined lineal precedence list for purposes of promotion. Officers were promoted upon passing the necessary physical and professional examinations by seniority to fill vacancies in the next higher grades. About 350 officers were examined for promotion. Approximately 1,000 officers were examined for confirmation or for qualification in their provisional ranks, as required by law.

Computation of the numbers of officers due for promotion in the Fleet Naval Reserve has been made semiannually, on July 1 and January 1, and officers found qualified promoted from those dates.

Enrollment and reenrollment of officers in the Naval Reserve Force were made up to June 30, 1925, when all authorizations for enrollment were automatically canceled due to the transfer of all reservists to the new Naval Reserve. Officers who were not enrolled or reenrolled prior to that date must fulfill the requirements for appointment in the new Naval Reserve by taking another physical examination.

With a view to abolishing all provisional ratings in the Naval Reserve Force commandants of districts were directed to confirm all enlisted men who had performed at least three months' active service and to make future advancements of such men only in confirmed ratings.

Naval Reserve aviation stations have been maintained at Great Lakes, Ill., Fort Hamilton, N. Y., and Squantum, Mass. An addi-

tional station has recently been authorized at Seattle, Wash. These stations have given primary training to 34 men who were then sent to the naval air station at Hampton Roads, Va., for advanced training, upon completion of which they were commissioned as ensigns in the Naval Reserve Flying Corps and designated as naval aviators. In addition, a considerable number of aviators have been given their regular training duty and flights in lieu of drills at the Naval Reserve and naval air stations.

All paper work in connection with Naval Reserve activities has been reduced to a minimum commensurate with the maintenance of proper records.

The bureau has made every effort to permit reservists to train on vessels of the regular Navy and in carrying out this idea has recommended that vessels now assigned for training of reserves be gradually replaced by a reasonable number of destroyers commanded by officers of the regular service, such destroyers to devote their entire time to the training of reservists.

The bureau has authorized the enrollment of a number of technical officers for duty in time of war, in accordance with the policy approved by the Chief of Naval Operations. The bureau has requested commandants of naval districts to enroll 6,000 qualified radio operators, their instruction to be undertaken by the Director of Naval Communications through the district communication officers. These men will not be expected to drill or cruise.

A number of the members of the Naval Reserve Force who were holding temporary appointments in the United States Coast Guard resigned from the Naval Reserve Force in order to retain their connection with the United States Coast Guard, for the reason that the new Naval Reserve act which became effective July 1, 1925, does not permit members of the Naval Reserve to be members of any other military organization except the Naval Militia.

CHIEF CLERK'S DIVISION

CIVILIAN FORCE

During the fiscal year 1925 the regular force of the Bureau of Navigation averaged 273 clerks against an average of 279 the preceding fiscal year. The number of enlisted men allowed by the bureau to be retained on duty in a clerical status was reduced by Congress from 34 to 24. The actual working force of the bureau during the year just closed was therefore 16 less than the preceding year.

During the fiscal year 1925 there were 33 resignations, 2 transfers, 2 deaths, and no discharges or retirements, a total of 37 separations, against 40 the preceding year. This small reduction in the annual turnover was disappointing, as it had been hoped that reclassification would considerably reduce the turnover.

ADJUSTED COMPENSATION, BONUS

Several of the administrative divisions of the bureau were affected by the adjusted compensation act, approved May 19, 1924, commonly known as the bonus act, and a considerable burden was placed upon a number of the regular employees who have been charged, in

addition to their regular duties, with the supervisory work of carrying out the provisions of this act.

From July 1, 1924, to December 31, 1924 (approximately), all clerical force and material for carrying out the provisions of the so-called bonus act were paid out of an allotment from the Veterans' Bureau, owing to the failure of Congress to make an appropriation under the Navy Department available for this purpose. On January 1, 1925, the temporary clerical force already employed in the Bureau of Navigation under the provisions of the adjusted compensation act, and paid as indicated above, were transferred from the rolls of the Veterans' Bureau to the rolls of the Navy Department.

Considerable preliminary work in connection with the bonus act had been done before July 1, 1924, and the additional clerical force was quickly organized and trained under the supervision of certain of the regular force of the bureau. Beginning July 1, 1924, and during that month, the bureau secured through the department the appointment of about 93 clerks, and this number was augmented month by month as the influx of applications from veterans increased until the peak was reached in February when 305 clerks were employed on the temporary roll for the bonus work. The unexpected action of the Director of the Bureau of the Budget in recommending to the President that no additional funds be provided for carrying on this work in 1926, and that the Navy Department be allowed the unused balance of the original appropriation of $425,000, made it necessary to break up the organization which has functioned so efficiently, by reducing the forces February 28, 100 clerks being dropped. The force was further reduced March 14 by the elimination of 60 more clerks. The resultant unrest brought about a further reduction by voluntary resignations to the point where it became necessary to again increase the temporary force by 20 clerks. On June 30, 1925, the total temporary force was made up of 129 clerks.

OFFICE SPACE

During the year the Bureau of Navigation was given the use of the Research Building at the corner of Nineteenth and B Streets for the storage of log books which formerly had been filed on the first floor, sixth wing of the Navy Department. The space formerly occupied by the log books was turned over to the Shipping Board, which in turn permitted the use by the bureau of 7,200 square feet of space on the third floor, eighth wing, for temporary force working on the bonus.

The recent instructions from the department that "rough logs" be retained in the files, necessary in view of the statement of the Attorney General that the Government was handicapped in trials by the absence of this original evidence, will in a very short time add materially to the space required for the storing of log books. Furthermore, the removal of these books from the main building has resulted in considerable loss of time as clerks must travel from the main building to the Research Building to secure necessary data. There is a daily demand for information contained in these logs. Arrangement should be made at the earliest practicable moment for the return of these books to the main building where they may be instantly available and under constant supervision. There is, of course, a possibility of storing some of the oldest and least used log books at the navy yard

or the Bellevue Magazine, but no chance of losing these invaluable records or subjecting them to destruction through fire or dampness should be taken.

NAVAL OBSERVATORY

The Naval Observatory in its regular routine activities has continued its work in supplying the Navy and the country in general with astronomical data, such as the American Ephemeris and Nautical Almanac, and "time service," without which navigators, surveyors, astronomers, and certain other scientists, the railroads and other commercial activities which depend on accurate positions of celestial bodies and on exact time, would be wholly at sea.

Besides the regular time service at noon and 10 p. m., special signals were sent at 3 a. m. throughout the summer of 1924, and at 3 a. m. and 6 a. m. (San Diego) 1925, for the United States Coast and Geodetic Survey parties in Alaska, the Aleutian Islands, and for the Canadian Government.

Three departments of the Canadian Government used the signals in longitude determinations of various stations, one of which was relocated 15 miles from its previous map position.

Without these signals accurate determination of longitudes would not be possible and our time service is considered the best and most used in the world.

The Naval Observatory has continued the development, supply, and repair of all navigational and surveying instruments used by the Navy. This includes gyro compasses for surface, submarine, and aircraft, those compasses being essential, for accurate gunnery as well as for navigation.

The nautical instrument repair shop continues its service of efficient and economical repairs to nautical instruments as well as to astronomical instruments at the observatory.

There has been no change in the general plan for astronomical work as developed by the Astronomical Council.

The superintendent and party from the observatory observed the total solar eclipse of January 24, 1925, from the U. S. S. *Los Angeles* very successfully. Plans for observing a similar eclipse in Sumatra January 14, 1926, have been perfected and the party is now (September 1) en route.

In July, 1925, the superintendent attended the triennial meeting of the International Astronomical Union at Cambridge, England, as the delegate from the Navy Department. Over 200 astronomers attended from all parts of the world and much valuable information was obtained and plans for international cooperation in astronomical longitude and time service matters were acted on.

HYDROGRAPHIC OFFICE

The Hydrographic Office has continued to carry on its mission of constructing charts, revising sailing directions, publishing Notices to Mariners, Notices to Aviators, Daily Memoranda, and Weekly Bulletins, revising and compiling new manuals and tables, disseminating information concerning icebergs, maintaining the North Atlantic steamer lanes, etc., to the satisfaction of the Navy and the mercantile marine.

HYDROGRAPHIC OFFICE SHOULD REMAIN UNDER THE NAVY DEPARTMENT

The Navy Department has for nearly a century efficiently operated the Hydrographic Office to the satisfaction of the Navy and the mercantile marine, and the transfer of the Hydrographic Office, the survey of Cuba, Haiti, and adjacent islands, or any of the activities of the Hydrographic Office to any other department of the Government would be detrimental to the public interests.

THE MAURY UNITED STATES NAVAL OCEANOGRAPHIC RESEARCH

It is proposed to fit out a vessel of the Navy to make a survey of the oceans, beginning in the Gulf of Mexico. Funds will be requested of Congress for this purpose. The advantages to navigation and to science generally can not be overestimated.

SURVEYS

The Hydrographic Office has conducted surveys in Batabano, Cuba, where the U. S. S. *Hannibal* has completed the chart of the western portion of that bay, including the western passages to the Isle of Pines and to Batabano.

The U. S. S. *Nokomis* has commenced the survey of the vicinity of Cardenas, Cuba, and is pushing to the eastward. These waters are very imperfectly charted.

The U. S. S. *Niagara* has commenced the survey of the Gulf of Venezuela, and has completed part of the gulf, including the land on the east side of the gulf.

IMPROVEMENT IN HYDROGRAPHIC OFFICE EQUIPMENT

The invention, by employees of the Hydrographic Office, of the "pantograver," a machine which, by employing the principles of the pantograph, makes it possible to engrave on a copperplate with the utmost accuracy, has vastly increased the reproduction of foreign charts. The latest "pantograver," just received makes it possible to engrave the soundings with only one setting of this machine.

BRANCH HYDROGRAPHIC OFFICES

The branch hydrographic office at Sault Ste. Marie has been designated as the headquarters for all the hydrographic offices on the Great Lakes. Situated as it is, millions of tons of shipping go through the Sault, and it is the natural place on the Great Lakes to give and receive navigational information. This office has increased in usefulness enormously and it is being very efficiently managed.

LOW PAY OF THE EMPLOYEES OF THE BRANCH HYDROGRAPHIC OFFICES

While Congress, by the reclassification act, has materially improved conditions in the Hydrographic Office, failure to pass a similar act for the field service is working a hardship on the employees of the branch hydrographic offices, where inadequate salaries

for the character of personnel required still continue. Funds are being requested in the 1927 Budget estimate to alleviate this condition.

The reports of the Superintendent of the United States Naval Observatory and of the Chief Hydrographer of the Navy are included in separate reports.

Naval Home

The monthly average number of beneficiaries carried on the rolls during the fiscal year was 240. Based on this number the annual per capita cost is:

Support of beneficiaries	$57, 732. 52÷240=	$240. 55
Overhead	109, 422. 06÷240=	455. 93
Total	167, 154. 58÷240=	696. 48

It is to be noted than an increase in the number of beneficiaries, although adding to the cost for support, will reduce the total per capita cost, as the overhead expense remains more or less stationary.

Changes during the year have occurred among the beneficiaries as follows:

Number on roll June 30, 1924	239
Admissions during the year	48
Readmissions	12
Died	29
Discharges	35
Remaining on roll, June 30, 1925	235

Veterans of the various wars, on the rolls at the close of the year, number as follows:

Civil War	54
Spanish-American War	140
World War	55
Philippine insurrection	7
Samoan disaster	7
Nonveterans	24

The following statement gives the total service in the Navy and Marine Corps of the beneficiaries on the rolls, June 30, 1925:

Less than 5 years	92
5 to 9 years	24
10 to 14 years	14
15 to 19 years	16
20 to 24 years	33
25 to 30 years	37
Over 30 years	19

The ages of the beneficiaries are as follows:

Years	Number	Years	Number	Years	Number	Years	Number	Years	Number
23	2	46	2	57	6	68	2	79	8
29	1	47	2	58	3	69	2	80	5
31	1	48	1	59	9	70	7	81	7
37	2	49	3	60	5	71	9	82	6
38	1	50	4	61	6	72	3	83	7
39	2	51	5	62	8	73	5	84	2
40	1	52	6	63	11	74	3	85	4
41	2	53	8	64	3	75	7	86	3
43	1	54	4	65	4	76	2	87	2
44	1	55	4	66	12	77	2	88	1
45	2	56	11	67	6	78	7	89	2

The average age of the beneficiaries is 64.9 years; the youngest is 23 years and the oldest 89 years.

There were 29 deaths among the beneficiaries during the year.

Owing to the large number of men who entered the naval service during the World's War, the facilities at the Naval Home will not be sufficient to take care of the applicants in the years to come. It is therefore believed that steps should be taken in the near future to provide for an additional number of beneficiaries. This may be accomplished by the erection of three-story wings from the north and south ends of the present main building, extending in a westerly direction, or by the conversion, for institutional purposes, of the present hospital structures, which have been loaned by the Navy Department to the United States Veterans' Bureau.

Many economies have been effected during the fiscal year, and it has been the governor's aim to instill in the minds of all that economy should be exercised wherever possible without detriment to the objects of and material requirements of the home, and it is believed that this object is being met, as is indicated in the preliminary estimates as submitted for the fiscal year 1927, as also the fact that there was a saving (unobligated balance) of about 14 per cent in the amount appropriated for the fiscal year 1925; and by a continuance of these established economical methods during the coming fiscal year it is believed that there will be a considerable saving in the amount appropriated for 1926.

Tables

Appended hereto are various tables which are considered of interest in connection with this report.

W. R. Shoemaker,
Chief of Bureau.

APPENDIX

Table No. 1.—*Comparative strength of the enlisted personnel, United States Navy, on June 30, 1922, 1923, 1924, and 1925*

1922	88, 580
1923	83, 185
1924	87, 327
1925	84, 289

TABLE NO. 2.—*Enlistments, by States*

City or town	Applicants for enlistment	Applicants rejected		Applicants rejected whose disqualifications were waived	Applicants accepted who failed to enlist	Applicants enlisted
		Physical defects	Other causes			
Alabama, Birmingham	1,604	604	711	1	31	257
Arkansas, Little Rock	737	290	101		60	286
California:						
Los Angeles	1,836	876	30		279	651
San Francisco	1,431	470	311		11	639
Receiving ship	11					11
Naval training station, San Diego	9					9
Colorado, Denver	840	460	71		1	308
Connecticut, New Haven	1,237	312	485	2	84	354
Cuba, Guantanamo Naval Station	4					4
District of Columbia, receiving station	391	3				388
Florida:						
Jacksonville	897	277	4	4	281	331
Naval station, Key West	4					4
Georgia, Atlanta	991	219	241		22	509
Guam Naval Station	55					55
Illinois, Chicago	1,319	584	2		300	433
Naval training station, Great Lakes	36					36
Indiana, Indianapolis	932	543	4		137	248
Iowa, Des Moines	588	172	27		61	328
Kentucky, Louisville	1,141	468	361	1	3	308
Louisiana, New Orleans	1,281	707	115	2	1	456
Maryland, Baltimore	786	268	20		7	491
Massachusetts:						
Receiving ship, Boston	10					10
Boston	1,698	597	567	1	38	495
Springfield	447	187	20			240
Michigan, Detroit	1,274	489	20		60	705
Minnesota, Minneapolis	1,304	600	5		452	247
Missouri:						
Kansas City	1,237	525	39			673
St. Louis	1,843	601	4		491	747
Nebraska, Omaha	1,031	726	4		4	297
New Hampshire, navy yard, Portsmouth	14					14
New Jersey, Newark	975	460	7	4	282	222
New York:						
Albany	393	64	4		3	322
Brooklyn	1,308	370	58		399	481
Buffalo	1,105	563	20	7	186	329
New York City	3,231	1,728	99		887	517
Receiving ship, New York	125	2				123
North Carolina, Raleigh	833	233	64		8	528
Ohio, Cincinnati	815	443	5	1	28	338
Oregon, Portland	1,250	362	198		146	544
Pennsylvania:						
Philadelphia	1,655	937			5	713
Receiving station, Philadelphia	105					105
Philippine Islands:						
Receiving ship, Cavite	147					147
Naval station, Cavite	31					31
Pearl Harbor, Hawaii, receiving ship	9					9
Rhode Island:						
Providence	993	490	4		162	337
Naval training station, Newport	74					74
Samoa, naval station, Tutuila	30					30
South Carolina, receiving ship, Charleston	55	3	11			41
Tennessee, Nashville	659	247	61			351
Texas, Dallas	647	213	21		13	400
Utah, Salt Lake City	244	149	29		8	58
Virginia:						
Richmond	598	324	99		6	169
Receiving barracks, Hampton Roads	116					116
Naval training station, Hampton Roads	74	1				73
Washington:						
Seattle	1,489	580	21		404	484
Receiving ship, Puget Sound	32					32
Wisconsin, Milwaukee	1,102	386	308		7	401
Total enlistments at recruiting stations	41,751	17,524	4,140	23	4,867	15,197
On vessels and at naval stations	4,520	19	16	1	2	4,482
Grand total	46,271	17,543	4,156	24	4,869	19,679

TABLE NO. 3.—*Citizenship*

Native born	77, 769
Naturalized	2, 082
Aliens, declared intentions	41
Aliens, resident in the United States	36
Aliens, nonresidents of the United States	143
Guam	108
Samoa	58
Philippines	3, 986
Virgin Islands	66
Total	84, 289

TABLE NO. 4.—*Nativity and residence of enlisted force, by other countries*

Country	Born	Resides	Country	Born	Resides
At sea	5		Italy	232	1
Africa	7		Japan	34	11
Albania	1		Korea	1	1
Argentina	2		Lithuania	9	
Armenia	9		Mexico	30	2
Australia	8		New Brunswick	5	
Austria	133	2	Newfoundland	13	1
Azores	8	1	New South Wales	3	
Belgium	26	1	New Zealand	1	2
Bermuda	3		Nicaragua	2	1
Bohemia	16		Norway	56	
Brazil	5		Nova Scotia	18	5
British Columbia	11	9	Palestine	1	
British East Indies	1		Panama	5	
British Guiana	4		Paraguay	10	
British West Indies	53	4	Peru	2	
Bulgaria	2		Philippines	4, 263	3, 971
Canada	189	111	Poland	82	
Canal Zone	1	18	Porto Rico	134	74
Chile	3		Portugal	9	
China	144	134	Prince Edward Island	4	
Colombia	1		Queensland	4	
Cuba	9	5	Rumania	6	
Cyprus Island	2		Russia	144	
Czechoslovakia	2		Samoa	90	95
Denmark	60	3	Scotland	81	
Dutch West Indies	1		Serbia	2	
Egypt	3		South America	4	
England	179	3	Spain	9	
Finland	13		Sweden	79	
France	28	1	Switzerland	19	
Greece	36	1	Syria	7	
Germany	166	1	Turkey	11	1
Guam	206	205	Venezuela	1	
Guatemela	1	1	Virgin Islands	81	83
Haiti		1	Wales	5	
Hawaii	113	191	Yugoslavia	3	
Holland	27	1	Others	1	13
Honduras	1		Total	7, 115	4, 960
Hungary	59	3			
Ireland	116	3			

TABLE NO. 5.—*Summary of native and foreign born*

	1924	1925	Decrease
Native born	79, 702	77, 174	2, 528
Foreign born	7, 625	7, 115	510
Total	87, 327	84, 289	3, 038

TABLE NO. 6.—*States furnishing the greatest number of native born*

New York	7,244	North Carolina	2,505
Pennsylvania	5,426	Indiana	2,457
Massachusetts	4,634	Alabama	2,120
Illinois	3,688	Tennessee	2,094
Missouri	3,152	Kentucky	1,886
Texas	3,122	Michigan	1,878
Georgia	3,121	Virginia	1,816
Ohio	2,700		
New Jersey	2,557	Total	50,400

TABLE NO. 7.—*Greatest number of foreign born, by countries*

Country	1924	1925	Decrease
Philippines	4,458	4,263	195
Italy	260	232	28
Guam	215	206	9
Canada	230	189	41
England	189	179	10
Germany	183	166	17
China	156	144	12
Russia	169	144	25
Austria	152	133	19
Ireland	132	116	16
Total	6,144	5,772	372

TABLE NO. 8.—*Color*

White	77,524
Negro	925
Chinese	144
Japanese	29
Filipino	4,193
Samoan	93
Chamorro	185
Hawaiian	79
American Indian	30
Porto Rican	87
Total	84,289

TABLE NO. 9.—*Good-conduct medals*

	Men	Medals
1 medal	2,968	2,968
2 medals	1,056	2,112
3 medals	282	846
4 medals	70	280
5 medals	10	50
Total	4,386	6,256

TABLE NO. 10.—*Comparative statement of reenlistments, etc.*

	1924	1925	Increase	Decrease
Men entitled to reenlist under honorable discharge	15,858	11,714		4,144
Extensions effective fiscal year and entitled to honorable discharge	3,832	3,273		559
Total	19,690	14,987		4,703
Total number reenlisted	10,549	7,532		3,017
Extensions effective and considered as reenlisted	3,832	3,273		559
Total	14,381	10,805		3,576
Percentage of reenlistments and extensions	73	72		
Enlisted men serving during minority	3,103	5,425	2,322	
Number serving under continuous-service certificate	20,742	19,028		1,714
Number holding certificate of graduation	194	98		96
Total number serving under reenlistment	38,083	37,444		639
Percentage of enlisted men serving under reenlistment	43.5	44.4	.9	
Men who have served, previous to current enlistment:				
Less than 4 years	67,213	60,776		6,437
4 years and less than 8	11,110	13,699	2,589	
8 years and less than 12	5,138	5,375	237	
12 years and less than 16	2,662	2,948	286	
16 years and less than 20	995	1,070	75	
20 years and less than 24	160	330	170	
24 years and less than 28	40	73	33	
28 years and over	9	18	9	
Total	87,327	84,289	3,399	6,437

TABLE NO. 11.—*Ages of enlisted men*

Under 20	9,556	45 to 49	183
20	7,807	50 to 54	150
21 to 24	33,048	55 to 59	41
25 to 29	18,101	60 to 64	17
30 to 34	8,248	Unknown	7
35 to 39	5,788		
40 to 44	1,343	Total	84,289

TABLE NO. 12.—*Distribution of officers of the Naval Reserve Force by classes, corps, and rank, as of June 30, 1925*

	Class 1	Class 2	Class 3	Class 5	Class 6	Total
Line:						
Captains		2			3	5
Commanders	1	22	11		19	53
Lieutenant commanders	3	95	34	1	200	333
Lieutenants	4	152	13	22	418	609
Lieutenants (j. g.)	3	318	11	35	518	885
Ensigns	5	140	7	38	987	1,177
Midshipmen					14	14
Total	16	729	76	96	2,159	3,076
Medical Corps:						
Commanders	1	5			22	28
Lieutenant commanders		17			27	44
Lieutenants		98			114	212
Lieutenants (j. g.)		11			41	52
Total	1	131			204	336
Dental Corps:						
Lieutenant commanders					2	2
Lieutenants		3			14	17
Lieutenants (j. g.)					10	10
Total		3			26	29

TABLE NO. 12.—*Distribution of officers of the Naval Reserve Force by classes, corps, and rank, as of June 30, 1925*—Continued

	Class 1	Class 2	Class 3	Class 5	Class 6	Total
Supply Corps:						
Commanders		1			2	3
Lieutenant commanders		16			2	18
Lieutenants		27			18	45
Lieutenants (j. g.)		32			37	69
Ensigns	1	4			94	99
Totals	1	80			153	234
Chaplain Corps:						
Lieutenant commanders					2	2
Lieutenants					2	2
Lieutenants (j. g.)					9	9
Total					13	13
Construction Corps:						
Commanders					3	3
Lieutenant commanders					5	5
Licutenants					8	8
Lieutenants (j. g.)					4	4
Total					20	20
Civil Engineer Corps:						
Commanders					2	2
Lieutenant commanders	1				3	4
Lieutenants		1			2	3
Lieutenants (j. g.)					2	2
Total	1	1			9	11
Chief warrant officers:						
Chief boatswains		5			1	6
Chief gunners		8			2	10
Chief machinists		1			1	2
Chief carpenters		2			4	6
Chief pharmacists	1				1	2
Chief pay clerks					3	3
Total	1	16			12	29
Warrant officers:						
Boatswains	5	3			10	13
Gunners	4	1			12	17
Machinists	2				8	10
Carpenters		1			3	4
Pharmacists	1				7	8
Pay clerks	1	5			7	18
Total	13	10			47	70
Grand total	33	970	76	96	2,643	3,818
Summary by ranks:						
Captains		2			3	5
Commanders	2	28	11		48	89
Lieutenant commanders	4	128	34	1	241	408
Lieutenants	4	281	13	22	576	896
Lieutenants (j. g.)	3	361	11	35	621	1,031
Ensigns	6	144	7	38	1,081	1,276
Midshipmen					14	14
Chief warrant officers	1	16			12	29
Warrant officers	13	10			47	70
Total	33	970	76	96	2,643	3,818
Summary by corps:						
Line	16	729	76	96	2,159	3,076
Medical Corps	1	131			204	336
Dental Corps		3			26	29
Supply Corps	1	80			153	234
Chaplain Corps					13	13
Construction Corps					20	20
Civil Engineer Corps	1	1			9	11
Chief warrant officers	1	16			12	29
Warrant officers	13	10			47	70
Total	33	970	76	96	2,643	3,818

TABLE NO. 13.—*Comparative statement of strength of various classes of Naval Reserve Force*

	June 30, 1922	June 30, 1923	June 30, 1924	June 30, 1925
Officers:				
Class 1-A	411	364	111	33
Class 2	21	1,014	1,198	970
Class 3	174	74	90	76
Class 4	4	0	0	0
Class 5	60	54	84	96
Class 6	4,670	2,716	2,493	2,643
Men:				
Class 1-B	1,843	1,497	1,018	329
Class 1-C	955	3,137	3,316	3,681
Class 1-D	1,762	2,477	2,484	2,670
Class 2	50	2,457	4,681	5,077
Class 3	2	2	6	2
Class 4	1	0	0	0
Class 5	0	14	62	52
Class 6	6,619	2,846	9,675	12,646

TABLE NO. 14.—*Comparative table of Naval Reserve activities*

	June 30, 1922	June 30, 1923	June 30, 1924	June 30, 1925
Total enrolled strength:				
Officers	5,340	4,222	3,976	3,818
Men (other than classes 1-C and 1-D)	8,248	10,816	15,442	18,106
Men of classes 1-C and 1-D	2,717	5,614	5,800	6,351
Number of actively drilling organizations	45	91	112	111
Number carried on rolls of preceding	5,817	11,106	15,016	16,265
Number actually attending drills	1,437	5,198	5,943	6,805
Total number who made 15 days' training cruise during year:				
Officers	----------	1,124	1,313	1,249
Men	----------	4,228	6,712	7,093
Vessels assigned to training reservists:				
Obsolete battleship	1	1	1	0
Eagles	23	27	22	19
Submarine chasers	13	17	16	17
Gunboats	2	5	6	6
Yachts	2	2	1	0
Unclassified (cruiser)	4	3	3	2
Destroyers	0	0	1	2
Unclassified (stationary)	3	5	5	8

TABLE NO. 15.—*Reservists by districts, by classes, as of June 30, 1925*

District	1-B	1-C	1-D	2	3	5	6	Total
Guam			6					6
St. Thomas		1	4				2	7
Washington	14	93	90	61		2	192	452
First district	49	459	403	522		18	397	1,848
Third district	83	778	626	829			2,766	5,082
Fourth district	43	516	346	399			614	1,918
Fifth district	16	281	251	216			431	1,195
Sixth district	3	49	26	69			404	551
Seventh district	2	38	22	6			185	253
Eighth district	44	138	39	139		2	247	609
Ninth district	114	517	180	2,288		31	4,471	7,601
Eleventh district	29	397	281	144	2		1,006	1,859
Twelfth district	24	244	213	209			695	1,385
Thirteenth district	17	93	90	170			1,015	1,385
Fourteenth district	4	11	17	18			109	159
Fifteenth district		4	1	2				7
Sixteenth district	1	13	17	1				32
Total	443	3,632	2,612	5,073	2	53	12,534	24,349

ANNUAL REPORT OF THE HYDROGRAPHIC OFFICE

JULY 1, 1925.

From: Hydrographer.
To: Chief of Bureau of Navigation.
Subject: Report of the Hydrographer for the fiscal year 1925, ending June 30, 1925.

The report of the operations of the Hydrographic Office for the fiscal year 1925 is submitted.

SHORTAGE OF OFFICERS

The shortage of officers mentioned in the report for 1924 still continues. The work of the office is continually increasing due to the invention of new instruments, new methods, and to the increased activities of all foreign hydrographic offices and to the mercantile marine of all countries, and to the increasing demands of aerial navigation.

It is hoped that the need for special sailing directions for aviators and of pilot charts for aviators will result in the assignment of an experienced aviator to the Hydrographic Office for this important work.

CIVILIAN PERSONNEL

There is a general shortage of civilian personnel, making it difficult, if not impossible, to comply thoroughly with the mission of the Hydrographic Office. This is especially true in the division of maritime security and in the division of chart construction. The work required to make the United States independent of foreign sources of chart supply can not be done in a reasonable period with the present complement. The section of sailing directions is particularly short of personnel.

There were 153 civilian employees on the roll of the Hydrographic Office July 1, 1924. There was an increase of $13,260 in salary appropriations in addition to that allowed for original classification, for additional employees during the year for the new chart construction program—total appropriation for salaries, $300,000. After preparation of estimates for 1925 and during the year, 31 changes from original allocation due to appeals, totaled $8,300, thereby restricting addition of many new employees. During the year there were 2 deaths and 11 resignations and transfers, and 14 new employees taken on, for a total of 154 employees, June 30, 1925.

Reclassification has greatly improved the efficiency, and it is again urged that some form of adjustment be considered for the field force of 22 civilian employees in the 17 branch hydrographic offices.

RECLASSIFICATION

The readjustments of pay following the passage of the reclassification act have afforded a measure of relief to the technical employees of the Hydrographic Office who for so many years had been underpaid. It is hoped that means will be found to afford similar relief for the clerical and fiscal employees, who, in spite of reclassification, are not receiving adequate pay for the character of service which is required of them. Many appeals have been made to the Personnel Classification Board, some of which have been acted on and others are still pending. There is a feeling among some of the employees of the Hydrographic Office that reclassification has left them in a less favorable position than employees of other departments of the Government performing similar duties. Every effort is being directed to correcting this condition, for it is realized that if this feeling continues and is justified, the Hydrographic Office must naturally lose some of its most valued employees who will seek advantageous transfers to other offices, where the pay is higher and opportunities are greater.

It is difficult to obtain eligibles from the Civil Service Commission for the ratings of nautical expert, cartographers, map engravers, and negative cutters, as few men are qualified in these trades and few candidates present themselves for examination.

LOYALTY OF PERSONNEL

The Hydrographer desires to express his appreciation of the high spirit of loyalty of the employees of the Hydrographic Office which has continued in spite of the uncertainties and delays incident to reclassification and the disquieting rumors regarding reorganization of the Government departments.

It is exceedingly gratifying to record in spite of unusual demands made upon the limited personnel the work has been enthusiastically carried on with uniform cheerfulness and smoothness, showing evidence of high morale.

THE HYDROGRAPHIC OFFICE A MANUFACTURING PLANT

The work of the Hydrographic Office must be distinguished from that of most other offices in the Navy Department because, in addition to the large volume of clerical work, it conducts a manufacturing plant for the production of those publications so necessary to the navigation of the vessels of the Navy and of the merchant marine. The great variety of details connected with this manufacture calls for skilled technical employees in many branches.

Data are received from many sources which must be studied and evaluated in connection with thorough research before it is embodied into the Notice to Mariners, Notice to Aviators, Mine Warnings, Hydrographic Bulletin, Daily Memorandum, Ice Supplement to the North Atlantic Pilot Chart, Light List, Sailing Directions, and other publications. Cartographers and draftsmen must prepare drawings for charts. Photography is extensively used in the process of preparation and reproduction. All copper chart plates are engraved in the Hydrographic Office. Charts are printed either by photolithography or from engraved plates in the Hydrographic Office with its own force on its own presses.

The products of the office are kept corrected to date and prepared for shipment and distribution to all the vessels of the Navy, other public vessels, sales agents, merchant vessels and other purchasers. The Hydrographic Office, it will be seen therefore, is a research office, a manufacturing office, and a distributing agent, with a variety of technical and clerical activities, doing work not done by any other department of the Government.

Much extensive research work is necessary to answer questions propounded by the Bureaus of the Navy, vessels of the Navy, merchant marine, scientific and educational institutions and establishments, and the general public.

ORGANIZATION

But few changes have been made in the organization during the year. The drafting force is now conducted as a separate section called the drafting section. The divisions of the office should be headed by naval officers of experience who bring with them a knowledge and familarity with naval and hydrographic matters so necessary to the proper handling of these matters. Rotation in office secures desirable growth and development and prevents the office from becoming stale and academic.

DIVISION OF ADMINISTRATION

[See annual report for 1924]

The head of the division of administration is the assistant to the Hydrographer.

In addition to the general duties listed under the division of administration on page 4, annual report for 1924, it is appropriate to mention the following matters dealt with during the year:

(*a*) The reorganization and improvement of hydrographic service to mariners on the Great Lakes, whereby headquarters for the Lakes division was established at Sault Ste. Marie, Mich., bringing the entire service on the Great Lakes under one head.

(*b*) Matters pertaining to the Maury United States Naval Oceanographic Research and the Advisory Committee on Oceanography. See page 4 and pages 32–25, annual report for 1924.

(*c*) Matters pertaining to the Pan Pacific Union, especially to the committee of fisheries, marine biology and oceanography, of which the Hydrographer is a member.

FINANCE AND SUPPLIES; BUDGET ESTIMATES; APPROPRIATIONS, REQUISITIONS, AND EXPENDITURES

The Hydrographic Office has maintained itself during the fiscal year within its limited maintenance appropriations with the strictest economy in the purchase and issue of supplies for the maintenance of the printing plant and office consistent with efficiency and requirements of the fleet for charts and publications.

The principal item of expense was for paper for printing charts for issue to the fleet and sales to the merchant marine. A new automatic vacuum feeder was added to the press-room equipment under special authorization for modernization of printing presses.

Sales to the merchant marine resulting in net receipts from this source of $24,477.48 were made, which, in effect, is an offset to the appropriations of the office.

SALE OF HYDROGRAPHIC OFFICE CHARTS AND PUBLICATIONS; AGENTS' ACCOUNTS

The office now maintains 55 domestic and 17 foreign agencies in the principal ports for the convenience of mariners in obtaining charts promptly. Three agencies were discontinued during the year and a new one added at Vancouver, British Columbia. It is the policy of the office to concentrate its publications in one agency in all except the larger ports.

The stock of sales agents in cities where there are branch hydrographic offices is periodically inspected by the officers in charge of those branch hydrographic offices with a view to maintaining a reasonable number on hand of only the latest edition. Agents in other cities are required to return all obsolete charts monthly, thereby insuring that only the latest publications are distributed by agents.

Receipts from sales for the fiscal year totaled $24,477.48.

TABLE 1.—*Appropriations and allotments to the Hydrographic Office for the fiscal year 1925*

	Appropriated, 1925	Expended, 1925
Main office:		
Salaries	$300,000.00	$299,888.66
Contingent and miscellaneous expenses	75,300.00	[1] 70,641.50
Contingent expenses, Navy Department (allotted)	310.00	306.63
Printing and binding (allotment)	85,000.00	[1] 82,937.50
Branch offices:		
Contingent expenses	14,670.00	[1] 14,157.29
Services, necessary employees	32,520.00	31,853.52
Total	507,800.00	499,785.10

[1] Expended and obligated.

NOTE.—Cash receipts and credits for sale of charts, books, and work done, which has been deposited to the credit of "Miscellaneous receipts" for the year, totaled $24,477.48.

SECTION OF FILES AND ARCHIVES

The new Navy Department filing system was initiated on February 1, 1925. The new system is an improvement over the old and greatly facilitates accessibility of accumulated information. It involves more clerical labor, but the additional labor is justified by the results. The file-room force was already taxed to the limit before the new system was adopted; now the additional work thrown upon them is more than they can handle efficiently. Additional personnel should be provided.

The valuable records contained in the files and archives are stored in wood cases. This does not safeguard them against fire which might cause a serious loss impossible to replace. The furniture and

walls of the file rooms should be fire proof. The inadequacy of the storage space in the file rooms has resulted in an overcrowded condition which can be remedied only by an increase in space.

BRANCH HYDROGRAPHIC OFFICES

During the fiscal year a branch hydrographic office was established at San Juan, Porto Rico.

The service on the Great Lakes has been reorganized and centralized with headquarters at Sault Ste. Marie, Mich., thereby bringing the entire hydrographic service on the Lakes under one head for closer coordination and more intimate cooperation with other activities, the Coast Guard, the Army engineers, the Weather Bureau, Bureau of Lighthouses, the Lake Carriers' Association, and the Government and privately owned radio stations.

Appreciative acknowledgment is made of the courteous cooperation of the Coast Guard in maintaining quasi branch hydrographic offices at Portland, Me.; Portsmouth, N. H.; and Charleston, S. C.

By authority of the Governor of Panama Canal Zone, some of the duties of branch hydrographic offices are efficiently performed by the captains of the ports of Cristobal and Balboa.

The time-ball service furnished by branch hydrographic offices is, little by little, being abandoned, as, due to the radio, the need for this service becomes less. The only time balls now in operation are at Philadelphia, San Francisco, Duluth, and Buffalo.

Table showing the work done by the branch hydrographic offices during the fiscal year is appended. (See Table A, p. 28).

BRANCH HYDROGRAPHIC OFFICE, HONOLULU, HAWAII

The Hydrographer renews his recommendation on page 8, annual report, 1924, that a branch hydrographic office be authorized at Honolulu, Hawaii.

BRANCH HYDROGRAPHIC OFFICE, LOS ANGELES, CALIF.

The Hydrographer renews his recommendation on page 8, annual report, 1924, that a branch hydrographic office be authorized at Los Angeles, Calif.

INTERCITY RADIO TELEGRAPH CO., CLEVELAND, OHIO, AND DULUTH, MINN.

The closing by the Navy Department of many radio stations on the Great Lakes, due to lack of funds, was a hardship to the lake merchant marine, Cleveland and the Duluth offices of the Intercity Radio Telegraph Co. have generously extended the use of their apparatuses for broadcasting nautical information. This service goes far toward meeting the situation and is highly appreciated by the Navy Department and all other interested branches of the Government, and by lake ship owners and mariners.

GOODYEAR STATION RADIOPHONE, CLEVELAND, OHIO

The Goodyear station radiophone, Cleveland, Ohio, has aided materially in the dissemination of nautical information by placing their radiophone service, WEAR, at the disposal of the branch

hydrographic office, Cleveland. This makes a useful service available to vessels which are not fitted with radiotelegraph instruments but which have radiophones.

DIVISION OF CHART CONSTRUCTION

The work incident to keeping Hydrographic Office charts on issue and charts for naval and miscellaneous use in an up-to-date condition has required the extensive correction of a large number of plates and the replacing of many out-of-date plates by new engraved or lithographed plates. This work has been unusually heavy this year because of the increase in the number of Hydrographic Office charts on issue from 2,611 to 2,706.

Notwithstanding this demand, very substantial progress has been made in the construction of new charts from original survey data, and in the reproduction of new Hydrographic Office charts to replace British Admiralty charts on issue which have heretofore been purchased from abroad. This has been possible due in part to a slight increase in personnel from funds made available by appropriation but largely due to the continued development of improved methods and processes in chart reproduction.

The reconstruction or extensive alteration of many chart plates because of hydrographic surveying activities of foreign nations throughout the world continues to increase with the increase of Hydrographic Office charts on issue. The work incident thereto is so extensive that the amount of work accomplished this year in the reproduction of Hydrographic Office charts to replace charts which heretofore had to be purchased from abroad represents the maximum which can be anticipated with the present force. Under these conditions, the United States Navy must for years to come remain entirely too much dependent on foreign sources of chart supply. (See Table C, p. 30.)

TABLE 2.—*Comparative statement of work done in fiscal years 1923, 1924, and 1925*

Character of work	1923	1924	1925
New copper chart plates engraved	34	50	56
New charts published	39	51	120
New publications of existing charts	14	16	46
Chart plates extensively corrected	65	181	168
Chart plates which received minor corrections	820	706	1,046
Charts reprinted (no corrections)	225	286	108

MISCELLANEOUS WORK, DIVISION OF CHART CONSTRUCTION

The most important items of miscellaneous work were:

(*a*) Making a special Mercator chart for the U. S. S. *Shenandoah* to navigate across the United States from Lakehurst, N. J., to San Diego, Calif.

(*b*) Surveying and laying out a calibration course on the Potomac River for standardizing airplanes for the naval air station, Anacostia, D. C.

(*c*) Charting and indexing deep-sea soundings furnished by cable ships and others equipped with the new sonic depth finder and plotting these on the new deep-sea plotting sheets.

(*d*) Constructing the 1925 "Variation of the compass," "Magnetic inclination or dip," and "Horizontal intensity" charts.

(*e*) Computing of natural scale for all new charts and all old charts as they were reprinted during the year.

(*f*) Preparing data and special charts for the use of the MacMillan polar flight expedition.

(*g*) Making working drawings for new instruments and appliances for the office.

(*h*) Preparing drawings and type matter for the new plates to be furnished the International Hydrographic Bureau for study in connection with the proposal for standardizing the system of buoys, beacons, and storm warnings of all nations.

(*i*) Making a roster of the superintendents of the Naval Observatory from its inception to the present time.

(*j*) Plotting and arranging data furnished by the Mixed Claims Commission of the World War to facilitate the adjudication of claims.

(*k*) Systematizing the keeping of records of work and costs of the division to minimize space and to facilitate reference to the same, at the same time simplifying and eliminating duplication of work on the part of those charged with keeping these records.

(*l*) Preparing illustrations for H. O. 204.

(*m*) Drawing illustrations for satellite diagrams and lithographing same for inclusion in the Nautical Almanac for the Naval Observatory.

(*n*) Making illustrations of device for measuring visibility.

(*o*) Preparing special charts for fleet maneuvers in the Pacific Ocean.

(*p*) Making charts showing progress of surveys.

(*q*) Mounting wall maps for various other bureaus.

(*r*) Investigating various reports made by mariners and plotting data furnished by the same.

(*s*) Writing specifications for surveys in the field.

(*t*) Making diagrams for pilot charts.

(*u*) Calculating conversion tables.

(*v*) Making diagrams for compensating errors due to perspective in aerial photographic surveys.

(*w*) Collaborating on the standardizing of topographic and hydrographic symbols for charts.

(*x*) Making studies of Japanese characters and symbols for maritime charts.

(*y*) Making a new form for the calculation of the LMZ problem of geodetic surveying computations.

(*z*) Preparing charts for the United States Shipping Board for presentation of claims (for sinking by mines subsequent to the armistice) to the Mixed Claims Commission.

TABLE 3.—*Items of miscellaneous work*

Miscellaneous items	69
Titles and note printing	511

EQUIPMENT

The pantograver and the letter-engraving machine invented and developed in the Hydrographic Office and installed over a year ago

have proved excellent and economical for engraving on copper. A similar machine has recently been manufactured at the Naval Gun Factory for the engineer reproduction plant, United States Army.

An improved pantograver has just been installed. This instrument embodies improvements invented by Mr. T. P. Lampe, and provides means for engraving soundings and letters in addition to outlines and topography. While this improved pantograver has not been in use a sufficient length of time to demonstrate its full value, it makes possible a simplification of the process of chart engraving to eliminate much of the preparatory work heretofore found necessary.

An additional enlarging, reducing, and copying camera has been installed in the photographic laboratory to meet the demands of the increased volume of chart work.

The photoprojection printer installed a year ago has been greatly improved by the addition of adjusting and clamping devices developed in accordance with suggestions by Mr. W. S. Yeatman and with the mechanical advice of Messrs. Aiken and Leech, of the miscellaneous sight shop of the Naval Gun Factory. These improvements allow the projection printer to be operated with precision in the dark.

One of the three large lithographic offset presses has been equipped with a modern automatic suction pile feeder. This feeder has already proved to be of great value, as it not only increases the capacity of the chart printing plant but provides an additional press on which the monthly Pilot Charts can be printed, thus insuring against delay in the issue of these publications.

An additional lithographic plate graining machine is needed, as the present graining machine, while worked to capacity, does not keep up with the requirements.

PERSONNEL

The personnel has improved in usefulness and the "turnovers" have been few.

CASH AWARDS

In accordance with the act of Congress approved July 1, 1918, a number of the employees of the Hydrographic Office have been given cash awards for suggestions and inventions which have resulted in improvement or economy.

CONSTRUCTION SECTION

While the preparation of new charts has considerably increased over the last year, nevertheless, the condition where the work of the construction and engraving sections are perfectly balanced has not yet been attained owing to the lack of a sufficient number of experienced cartographic engineers for investigations.

Among the new engraved charts completed during the year are the eastern and western sheets of the North Pacific Ocean series. A chart showing the coasts of North and Central America from the Gulf of St. Lawrence to Juan de Fuca Strait is under construction. A general chart of the Mediterranean Sea and also a series of charts embodying the latest surveys and information of the Caroline Islands group has been completed. Satisfactory progress has been made on

the series of charts of the southwest coasts of Chosen (Korea). A new time zone chart of the world on a large scale has been completed.

In addition to the charts from our own new surveys, many based on the new work of foreign countries have been prepared for engraving as the data was received.

TABLE 4.—*Work done in the construction section, fiscal year 1925*

New chart originals prepared for engraving	56
New chart originals prepared for photolithography	7
Extensive correction drawings made for correcting chart plates	7
Minor correction drawings made for correcting chart plates	61

TABLE 5.—*Mounting work done, fiscal year 1925*

Charts and maps mounted	1,009

NOTE.—Some were mounted on cloth. Wooden rods and acorns put on some. Many mounted for other bureaus.

DEPENDENCE ON FOREIGN SOURCES OF CHART SUPPLY—EFFORTS TO DECREASE

During the year 125 new plates have been completed and 25 old ones canceled. This work has progressed as the personnel could be spared from the work of keeping the charts on issue corrected to date. Many charts of New Zealand and Australia have been completed and are in the hands of the fleet, and the remainder of the outfit of charts within this area is nearing completion. The completion of these charts has saved thousands of dollars.

Work on a series of new Baltic Sea charts is progressing satisfactorily, and several such charts will be ready for issue in the near future.

A new chart of the North Pacific Ocean, western part, has been completed, which, together with a chart of the Indian Ocean now in progress, completes the series of modern ocean charts.

A set of charts of the Caroline Islands, constructed from Japanese and other sources, has been completed.

ENGRAVING SECTION

On March 11, 1925, Mr. John A. Waldey, chief engraver, completed 53 years' service in the Hydrographic Office, with a record of loyal and efficient service. This deserves special mention and record in this report.

TABLE 6.—*Work done in the engraving section, fiscal year 1925*

New copper-plate engravings finished	56
New copper-plate engravings partly finished	29
Copper plates extensively corrected	54
Copper plates which received minor amendments	261
Weak copper plates recut	0
Copper-plate originals and old bassos brought up to date	7

ELECTROTYPING

The necessity for electrotyping copper chart plates has considerably diminished during the last few years, as all new engravings are immediately transferred to zinc plates for photolithographic print-

ing. Fewer "altos," from which to make new "bassos" to replace the original plate when worn out by plate printing, are needed.

The office has, however, several old copper plates that are nearly worn out but which are protected by "altos" from which it is necessary to electrotype "bassos" from time to time. Hence, the electrotyping plant must be kept intact and available. The electrotyper is assigned to other duties in the lithographic pressroom when the electrotyping plant is not in operation.

TABLE 7.—*Copper plates electrotyped, fiscal year 1925*

Copper plates electrotyped	12

COMPILATION SECTION

The work of preparing the originals for photolithographic reproductions of charts already on issue when the latter require very extensive corrections, or when the zinc plates become otherwise obsolete or worn out, has diminished to such an extent that it was possible to to take up a large amount of new work. Although at the present time this work in connection with chart replacement is reduced to a minimum, the fact still remains that from time to time many charts will need replacement because of new and more complete information.

Coastal charts in the Baltic, which are being compiled and constructed for engraving, though well under way, will require considerable work, for there is much new Swedish, Finnish, and Esthonian survey data to be taken into account. A monograph has been completed on geographic generic terms and names in the Baltic, involving research work among Latvian, Esthonian, Finnish, Swedish, and German charts, sailing directions, light lists, notices to mariners, and miscellaneous publications issued by these countries. Typical and special names decided upon, based on the best of these authorities, will render the Hydrographic Office charts of this region more consistent and clearer in their nomenclature than those issued by any other nation.

TABLE 8.—*Work done in compilation section, fiscal year 1925*

Originals drawn or prepared for Hydrographic Office charts:		
(*a*) Originals for new charts	83	
(*b*) New originals showing extensive corrections for previously published charts	8	
(*c*) Same as (*b*), but showing small corrections	0	
		91
(*d*) Old originals, reprepared and corrected for previously published charts and showing extensive corrections	5	
(*e*) Same as (*d*), but showing small corrections	0	
(*f*) Compilation of new charts for engraving	6	
		11
Total		102

RECONSTRUCTION SECTION

The work of keeping the Hydrographic Office charts on issue, revised, and up to date has required the reconstruction of a number of chart plates as well as extensive changes and a large number of smaller corrections.

Considerable data have been received and examined tentatively, to determine if any change is required on the charts; a large number of foreign charts have been compared and the new foreign and United States surveys have been as far as possible incorporated into our charts; many letters, documents, United States and foreign Notice to Mariners, books, and nautical magazines have been received, examined, and information recorded for correcting the chart plates concerned.

The work of replacing worn copper plates is in progress and, with the exception of a few older charts, is well ahead of the deterioration caused by frequent printing.

The revision and proof reading of the chart corrections through all stages of the process have been carried on by this section.

TABLE 9.—*Work done in the reconstruction section, fiscal year 1925*

Chart plates corrected from sheets prepared:	
Lithographic charts, small corrections	898
Engraved charts, small corrections	189
Extensive corrections	113
Reprints after examination of data:	
Lithographic charts	94
Engraved charts	5
Worn copper plates remedied:	
By new bassos	3
By original plates brought to date	0
Defective zinc plates replaced for which copper-base plates were brought up to date	45
Chartlets prepared for Notices to Mariners	0
Proofs revised	1,200

LITHOGRAPHIC SECTION

The work of the lithographic section has been practically the same as that of the preceding year in quality. The increasing output of new engraved charts and photolithograph reproductions of British Admiralty charts automatically increases the work of the lithographic section, as the zinc printing plates of these charts must be corrected as subsequent editions are required.

The regular work of this section embodies—

(*a*) Preparing new lithographic zinc chart plates by photolithographic processes or by transfer from engraved copper plates.

(*b*) Correcting existing zinc chart plates.

(*c*) Printing of Hydrographic Office charts which are produced by lithography.

(*d*) Preparing the plates and printing the monthly and quarterly pilot charts.

In addition several extensive miscellaneous jobs have been handled, such as (*a*) special index charts for new edition of Hydrographic Office General Catalogue of Mariners Charts; (*b*) Buoyage and Buoy Lighting Systems of the World; and (*c*) chartlets for Notices to Mariners.

TABLE 10.—*Charts printed by Hydrographic Office*

Year	Number of individual Hydrographic Office navigational charts on issue	Plate-printed navigational charts	Lithograph-printed navigational charts	Pilot charts and miscellaneous (see Table B for details)	Total
1916	2,436	90,710	74,635	294,727	460,072
1917	2,456	145,620	243,882	263,941	653,443
1918	2,472	228,544	569,933	278,344	1,076,821
1919	2,487	151,498	444,840	266,910	863,248
1920	2,542	181,017	329,550	454,062	964,629
1921	2,566	98,834	259,608	546,019	904,461
1922	2,579	37,410	211,878	858,201	1,107,489
1923	2,591	29,185	199,974	922,953	1,152,112
1924	2,611	29,523	198,094	879,883	1,107,500
1925	2,706	13,825	276,940	866,521	1,157,286

DRAFTING SECTION

This newly created section has done all the drafting incident to the preparation of charts for new engraved plates the data for which originated in the construction section, and for all the large corrections that required redrawing of sections of charts to be reengraved. Likewise all the data originating in the compilation section has been worked into charts to be photographed and reproduced by lithographic process in the lithographic section. A great many charts investigated for correction in the reconstruction section have had parts redrawn for both copper plate and lithographic plate corrections. In addition to the above work all the drafting of whatever nature done on paper or tracing linen for this office and a considerable number of items for other bureaus have been executed in this section. All computations incident to the above work—plotting of surveys and geodetic computations and all special charts such as anchorage, range finder, and compass testing charts and the like—have been carried on here. Considerable translation of Japanese characters and symbols used on charts of that nation has been done.

PLATE PRINTING

Table showing itemized chart printing by Hydrographic Office for the fiscal year 1925 is appended. (See Table B, p. 29.)

The work of the plate-printing section has continued to decrease due to the reduction in the number of plate-printed charts by the transfer of such charts from copper to zinc plates, from which zinc plates the charts are printed by photolithography.

At the beginning of the fiscal year 1925 there were 487 engraved chart plates from which charts had to be plate printed by hand. That number has now been reduced to 392. Further reduction will continue, but not as rapidly as heretofore, owing to the fact that many of the remaining copper plates are old and badly worn and unfit for transfer to lithographic plates. Such plates must eventually be replaced by new ones.

PLATE GRAINING AND REGRAINING

TABLE 11.—*Plate graining and regraining, fiscal year 1925*

Zinc plates grained and regrained	722

PHOTOGRAPHIC SECTION

The photographic section has largely increased its output due to the increased efficiency of the personnel, new processes, and new cameras. Mr. W. S. Yeatman has invented a substance for coating glass negatives for use with the pantograver that has proven highly satisfactory. He has also invented several attachments for cameras that have increased their accuracy.

TABLE 12.—*Photographic work, fiscal year 1925*

Item	Hydrographic Office charts—			Miscellaneous	Total
	For lithography	For drafting	For engraving		
Glass negatives made	713	124	303	175	1,315
Glass negatives recut	723	10	11	78	822
Paper prints	654	318	222	350	1,544
Zinc prints	386	0	0	64	450
Celluloid prints	0	0	1	0	1

TABLE 13.—*Miscellaneous photographic work, fiscal year 1925*

Item	Type matter	Sections of charts	Drawings and photographs
Glass negatives made	52	383	60
Glass negatives recut	33	67	16
Paper prints	170	669	524
Zinc prints	26	62	34
Celluloid prints	0	33	0

OCEAN AND LAKE SURVEYS

This work has been carried on for many years under the appropriation "Ocean and lake surveys" in the naval appropriation bill. The Navy is admirably fitted to do this work, as it has competent personnel, both officers and enlisted men, the ships, and in addition to the work of the special survey ships, many vessels in all parts of the world make surveys.

The Hydrographic Office renews its recommendation on pages 30 and 31, annual report, 1924, under "Ocean and lake surveys," that no part of the work now done by the Hydrographic Office be transferred to any other department of the Government.

CUBA

The U. S. S. *Hannibal* (Commander W. T. Conn, United States Navy), assisted by several auxiliary craft, has completed the survey of the Gulf of Batabano and the area to the westward of the Gulf

of Batabano extending to Cape Frances, including San Filipe Cays; also Siguanea Bay and a portion of the south coast of the Isla de Pinos, thus providing data for the construction of two new charts of the series of coastal charts of the Island of Cuba. Commander Conn also assisted the Cuban Government in planting the buoys from the sea to Batabano, Cuba.

It is expected that this survey will be extended during the coming season to cover the area along the south coast and to the eastward of the Isla de Pinos. During the past season the *Hannibal* has accomplished about 910 square miles of sounding work and about 6,920 linear miles of shore line was developed.

The U. S. S. *Nokomis* (Commander R. E. Ingersol, United States Navy) has completed the survey of Cardenas and Santa Clara Bays, north coast of Cuba, and extended the work eastward to Port Sagua la Grande. During the past season 450 square miles of hydrography were developed. It is expected that during the coming season this survey will be extended westward from Cardenas Bay to and including port Matanzas before resuming work to the eastward.

VENEZUELA

The U. S. S. *Niagara* (Commander Paul P. Blackburn, United States Navy) has started the survey of the Gulf of Venezuela. Triangulation has been extended over the western portion of the Paraguana Peninsula, and hydrography has been developed in a considerable area in the Gulf of Venezuela.

The old charts of the Gulf of Venezuela and entrance to Lake Maracaibo have been found seriously in error and undependable. The commercial importance of this locality due to recent activities in oil and other products demands that reliable charts be made available.

MISCELLANEOUS

The U. S. S. *Rochester* surveyed Tela Harbor, Honduras, from which a new chart has been constructed and published.

The U. S. S. *Cleveland* surveyed Lorenzo Bay, west coast of Panama, from which a new chart is being constructed and will soon be published.

Vessels of the fleet have forwarded data for constructing charts containing information of a special nature for naval use only.

Several surveys have been received from private sources and incorporated in charts. Many other ships equipped with the sonic depth finder have been collecting deep-sea soundings.

There follows a résumé of soundings thus made during the last year:

U. S. S. "Stewart."—February, 1924, line of soundings taken on run from Manila to Hong Kong. New bank discovered with least depth 146 fathoms, west of Luzon, lat. 17° 30′ N., long. 118° 30′ E. (approx.). This will be called Stewart Bank.

U. S. S. "Stewart."—March, 1924, running survey of a specified area in the China Sea. Lines of soundings taken when searching for a number of reported dangers. Also additional soundings over the bank in lat. 17° 30′ N., long. 118° 30′ E.

U. S. S. "Stewart."—May, 1924, China Sea: Dairen to Yokohama to Shanghai to Amoy.

U. S. S. "Stewart."—November, 1924, China Sea: Shanghai along east coast of Philippines to lat. 5° 20′ N., and return to San Bernardino Strait.

U. S. S. "Milwaukee."—March, 1924, North and Central America and Mexico.

U. S. S. "Milwaukee."—October, 1924, en route transatlantic flight *ZR–3*. North Atlantic: Soundings taken off the east coast of the United States; in the North Atlantic Ocean; in the West Indies; off north coast of Cuba.

U. S. S. "Milwaukee."—September, 1924, North Atlantic—Davis Strait, west coast of Greenland.

U. S. S. "Concord."—February, 1924, Indian and North and South Atlantic Oceans; Port Sudan to Djibouti and Djibouti to Berbera; Berbera to Mombasa to Zanzibar; Lourenco Marques to Durban; Durban to Port Elizabeth; Port Elizabeth to Cape Town; Cape Town to Walfisch Bay; Walfisch Bay to St. Helena.

U. S. S. "Concord."—March, 1924, St. Helena to Pernambuco; Pernambuco to St. Thomas, thence to Vieques Sound.

U. S. S. "Colorado."—February, 1924, North Atlantic Ocean—Gibraltar to New York. Colorado Bank discovered in lat. 33° N., long. 37° ½′ W.

U. S. S. "Cincinnati."—March, 1924, North Pacific Ocean, off west coast of Mexico near Cape Corrientes.

U. S. S. "Niagara."—December, 1924, Caribbean Sea—La Guaira, Venezuela, and Willemstadt, Curacao, to Gulf of Venezuela.

U. S. S. "Raleigh."—October, 1924, North Atlantic, vicinity of the Faroe Islands and Iceland.

U. S. S. "Maryland."—March, 1924, North Atlantic Ocean, off coasts of Maryland, Virginia, and North Carolina.

U. S. S. "Maryland."—December, 1924, North Pacific Ocean, off the coast of California in vicinity of San Diego. Unsuccessful search for bank of 50–90 fathoms in lat. 32° 05′ N., long. 119° 45′ W.

U. S. S. "Hull" and *"Corry."*—May, 1924, North Pacific Ocean; soundings taken to discover practical route for cable to be laid between Seattle and Alaska.

U. S. S. "Corry."—October, 1924, North Pacific Ocean—Cape Descanso to Santa Rose Island and between San Francisco and Monterey Bay.

U. S. S. "Hannibal."—December, 1924, North Atlantic—Delaware Breakwater to Hampton Roads and from latter place to Key West.

U. S. S. "Hannibal."—North Atlantic, West Indies—Key West to Siguanea Bay, Isla de Pinos.

U. S. S. "Marblehead."—January, 1925, Southampton to Marseilles, to Algiers—Funchal to Boston.

U. S. S. "Hull."—February, 1925, development of Santa Rosa Bank, Calif.

DIVISION OF MARITIME SECURITY

SECTION OF NOTICE TO MARINERS

Foreign Notices to Mariners have been received from all countries which publish such notices, including several of the new independent states of Europe, and this information has been translated, when not already in English, collated, and republished if deemed of sufficient value.

Translations have been made from Danish, Norwegian, Swedish, Dutch, German, French, Spanish, Italian, and Portuguese.

There is a need of a translator for the Japanese language. The only translations now received of Japanese publications are made by the United States Embassy in Tokyo, and they are not complete.

TABLE 14.—*Notice to Mariners, fiscal year 1925*

Editions published	52
Paragraphs	4,708

NOTICE TO AVIATORS

By agreement, the War Department publishes in its Aeronautical Bulletin information concerning interior States of the United States and the Hydrographic Office the Notice to Aviators concerning the coastal States of the United States and contiguous waters and foreign countries.

This notice contains sailing directions, landing and port facilities, etc., for the navigation of naval aircraft.

TABLE 15.—*Notice to Aviators, fiscal year 1925*

	Number	
	1924	1925
Editions	12	12
Pages	50	24
Paragraphs	32	13
Items	135	67

ARCHIVE CHARTS

Foreign chart catalogues have been received and checked with foreign charts on hand, and many charts have been requested from foreign governments to complete the Hydrographic Office archives.

Archive copies of all charts issued by the Hydrographic Office are marked for reference by the section of Notice to Mariners, and when a new chart has been replaced by a new edition all marks of two years standing which refer to a Notice to Mariners have been transferred to the new chart. These transfers are innumerable.

Foreign charts have been accessible for use of the personnel of the Hydrographic Office, and receipts taken for all charts borrowed or taken out of the room.

This section of Light Lists is the depository of all archive charts. Large additions have been made to these archives, and charts have been received, condemned, and retired as follows:

TABLE 16.—*Archive charts, fiscal year 1925*

	On hand	Received	Expended
Hydrographic Office and Coast and Geodetic Survey, Lake Survey, foreign, etc., July 1, 1924	17,512		
Hydrographic Office charts, new charts, and new editions of old charts		1,337	
Coast and Geodetic Survey, Lake Survey, foreign, etc		2,232	
Hydrographic Office charts retired			1,210
Coast and Geodetic Survey, Lake Survey, foreign, etc			1,391
Total received		3,569	
Total expended			2,601
Increase in archives	968		
Grand total of charts on hand June 30, 1925	18,470		

SECTION OF SAILING DIRECTIONS (PILOTS)

WORK PERFORMED

(*a*) The following Sailing Directions (Pilots) have been revised during the fiscal year: H. O. 152, Mediterranean Pilot, Vol. II; H. O. 126, Asiatic Pilot, Vol. III; H. O. 154, Mediterranean Pilot, Vol. IV; H. O. 125, Asiatic Pilot, Vol. IV; H. O. 149, British Islands Pilot, Vol. VI; H. O. 147, British Islands Pilot, Vol. IV.

(*b*) The annual supplements to the 58 volumes of Sailing Directions were prepared and published in the early part of 1925.

These supplements contained all corrections and changes in the books since their publication and cancel all previous supplements.

(*c*) Revision of the following books is under way: H. O. 166, Pacific Islands Pilot, Vol. II; H. O. 148, British Islands Pilot, Vol. V; H. O. 133, Bay of Biscay Pilot.

FUTURE WORK FOR THE SECTION

There are now published by the office, 58 volumes of Sailing Directions. New editions of these must be prepared as the old editions become exhausted, and, in certain cases, where the large number of changes and corrections may make it necessary. An important factor in the revision of any book is the amount and character of the available information concerning the territory involved, as it is highly desirable that a new edition last as many years as possible without extensive corrections being inserted in the supplement.

Those books which should be next revised, named in about the order of necessity, importance, and availability of new information are: H. O. 165, Pacific Islands Pilot, Vol. I; H. O. 122, Asiatic Pilot, Vol. I; H. O. 128, West Indies Pilot, Vol. I; H. O. 153, Mediterranean Pilot, Vol. III; H. O. 137, Arctic Pilot, Vol. I; H. O. 132, North Coast of France Pilot; H. O. 141, Scandinavia Pilot, Vol. II; H. O. 142, Baltic Pilot, Vol. I; H. O. 143, Baltic Pilot, Vol. II; H. O. 155, Black Sea Pilot; H. O. 84, Mexican and Central American Pilot (Pacific Coast); H. O. 130, Central America and Mexico Pilot (East Coast); H. O. 161, South Indian Ocean Pilot; H. O. 73, Newfoundland Pilot; H. O. 136, Norway Pilot; H. O. 124, Asiatic Pilot, Vol. III. The exact order in which they will be taken up will depend upon future conditions.

IMPROVEMENTS

The new "Manual for Revisers," which provides for (*a*) references to charts, (*b*) numbering of lines, (*c*) black capitals, (*d*) grouping of all port information, (*e*) insertion of line drawings and half tones, will increase the value of the sailing directions.

AVIATION SAILING DIRECTIONS

There is under consideration the publication of Pilot Charts of the upper air for the use of aviators. An officer with flying experience is needed to take charge of this work. (See p. 1.)

SECTION OF LIGHT LISTS

Six volumes of Light Lists were published.

Light Lists have been received from 13 foreign countries. Supplements have been received that do not publish annual Light Lists.

A new volume was prepared during the year, H. O. No. 205, "Radio Aids to Navigation." This includes radio compass stations, radio fog signals, radio weather and storm warnings, navigational warnings, and time signals.

The radio information which is usually contained in the last pages of all the Light Lists has been included in three Light Lists already published during the present year 1925. The information has been dropped from the Light Lists now in press and a note to that effect has been inserted.

When this radio book is issued it will be kept corrected to date by inserting information in the Notices to Mariners.

SECTION OF PILOT CHARTS

Publishes pilot charts of all oceans, Hydrographic Bulletin, Ice Supplement to North Atlantic Pilot Chart, Daily Memorandum, Mine Warnings, Supplements to Mine Warnings, and reprints of hydrographic information. (See Report for 1923 and 1924.)

RADIO BROADCASTS

Radio broadcasts have been sent out as usual.

TABLE 17.—*Radio messages sent, fiscal year 1925*

Wrecks and derelicts	94
Ice warnings	99
Aids	5

OCEAN CURRENTS

A thorough investigation and collation of information received relating to ocean currents is being carried on, using all data published in charts, books, and periodicals. A current chart of the North Atlantic Ocean for October, made up from reports from all sources for 20 years, is now being prepared and should be ready for publication in September. The material for the January chart is ready for the draftsmen and will probably be published in December. Work is progressing on the April chart, and when this is finished a July chart will be made. Other charts are planned as found necessary.

Reports from mariners on ocean currents come into the Hydrographic Office at the rate of about 800 per month, and it is approximated that there are about 100,000 records in the office from which to complete current charts. The facilities for getting out the work are very limited. (See "Shortage of officers," p. 1.)

SECTION OF NAUTICAL DATA

The mariners in general have responded freely to the requests of the Hydrographic Office for nautical information. Our best contributors are foreigners.

All letters from observers are courteously answered and all questions carefully considered.

TABLE 18.—*Reports received from observers, fiscal year 1925*

Month	Current reports	Marine data reports	Route reports	Radio reports	Port facilities reports	Intended observers	Bottle papers
July	950	140	50	19	38	27	44
August	948	184	46	23	21	26	43
September	888	133	38	31	11	32	43
October	904	200	42	25	17	25	49
November	908	157	42	25	10	18	36
December	880	145	35	24	9	33	31
January	828	117	36	18	9	20	35
February	800	151	30	16	9	13	51
March	900	117	31	19	19	16	26
April	840	135	30	13	17	23	57
May	875	140	24	19	8	31	39
June	874	139	25	34	9	19	47
Total	10,595	1,758	429	266	177	283	501

DIVISION OF DISTRIBUTION

All demands for charts, books, sailing directions, and manuals maintained on issue were successfully supplied during the year. The work of supplying the fleet with charts and books prior to their departure for winter maneuvers necessitates considerable extra work, and during this period it is usually necessary to call on other divisions of the office for temporary assistance. As long as this is supplied the present force of messengers is adequate.

The work of plotting and correcting our stock of Hydrographic Office, British Admiralty, and Coast Survey charts, due to the large turnover in personnel and the lack of experienced workers in this important work, brought about the reorganization of all chart correction work done by this division. The work is now done with one less chart corrector with far better results, and it is rarely ever that all charts in stock are not corrected to date. This was brought about by placing all work done by the division of distribution under one head to act as a coordinator of work.

The chart stock is in the best possible condition. The chart shortage problem has been taken care of through better cooperation with the division of chart construction, as well as by a double check being placed on the stock carried. At the present time there are no shortages of charts.

The personnel of the division is sufficient except in respect to clerical and stenographic help. Due to the large number of confidential charts issued to the fleet, the stenographic and record work has been greatly increased. The division at present has one stenographer, and in her absence the work falls behind.

The correction of Sailing Directions, Light Lists, and manuals is satisfactory and at all times up to date.

The mailing lists have been revised and all addresses checked during the year.

Attention is again invited to the lack of storage space for books.

TABLE 19.—*Hydrographic Office charts, fiscal year 1925*

Printed copies	Received	Expended
In stock June 30, 1924	351,773	
Received from chart construction:		
Engraved	13,235	
Lithographed	284,372	
Total received	649,380	
Issued to:		
United States naval vessels		124,446
Agents or sales		67,637
Branch hydrographic offices		20,216
Official use		50,958
Condemned		20,957
Total expended		284,214
In stock June 30, 1925	365,166	

TABLE 20.—*Hydrographic Office chart plates, fiscal year 1925*

On issue June 30, 1924	2,611
New plates published	120
Canceled	25
On issue June 30, 1925 [1]	2,706

TABLE 21.—*Hydrographic Office charts, hand corrections, fiscal year 1925*

Hand corrections made on Hydrographic Office charts from Notice to Mariners	301,337

TABLE 22.—*Coast and Geodetic Survey charts for fiscal year 1925*

Printed copies	Received	Expended
On hand June 30, 1924	42,902	
Received on requisition	70,157	
Received for standards	626	
Total received	113,685	
Issued to:		
United States naval vessels		51,597
Branch hydrographic offices		3,249
Official use		8,687
Condemned		4,145
Total expended		67,678
On hand June 30, 1925	46.007	

TABLE 23.—*Coast Survey chart plates—printed copies from these supplied to Hydrographic Office*

June 30, 1924	666
New plates published	13
Canceled	7
On issue June 30, 1925	672

TABLE 24.—*Coast and Geodetic Survey charts, hand corrections made by Hydrographic Office, fiscal year 1925*

Hand corrections made on Coast and Geodetic Survey charts from Notice to Mariners	28,987

[1] In addition to the Hydrographic Office charts on general issue, there are 106 confidential, secret, and special charts for naval use only.

TABLE 25.—*British Admiralty charts for fiscal year 1925*

Printed copies	Received	Expended
On hand June 30, 1924	27,566	
Received on requisition	5,460	
Received complimentary	142	
Total received	33,168	
Issued to:		
United States naval vessels		5,805
Branch hydrographic offices		83
Official use		3,858
Condemned		1,851
Total expended		11,597
On hand June 30, 1925	21,571	

TABLE 26.—*British Admiralty chart plates from which Hydrographic Office mus buy printed copies, fiscal year 1925*

June 30, 1924	1,076
Replaced by Hydrographic Office plates June 30, 1925	100
June 30, 1925	976

TABLE 27.—*British Admiralty charts, hand corrections made by Hydrographic Office, fiscal year 1925*

Hand corrections made in British Admiralty charts from Notice to Mariners	28,514

TABLE 28.—*Books and pamphlets other than Hydrographic Office publications issued fiscal year 1925*

Source of supply	On hand June 30, 1924	Received	Expended	On hand June 30, 1925
British Admiralty	136	12	140	8
Coast and Geodetic Survey	464	3,005	2,634	835
Bureau of Lighthouses	965	4,110	4,377	698
Bureau of Navigation	13	50	47	16
Steamboat inspection	30	200	143	87
Panama Canal Commission	30	75	87	18
United States Army engineers	23	25	32	16
Treasury Department	37	0	5	32
Miscellaneous	40	773	682	131
Total	1,738	8,250	8,147	1,841

TABLE 29.—*Publications maintained on issue, fiscal year 1925*

Hydrographic Office	78
British Admiralty	0
Coast and Geodetic Survey [1]	23
Bureau of Lighthouses	22
Bureau of Navigation, Department of Commerce	3
Steamboat Inspection Service	3
Panama Canal Commission	2
United States Army engineers	1
Treasury Department	3
Miscellaneous	9

[1] Special publications of the Coast and Geodetic Survey are issued on request of commanding officers.

TABLE 30.—*Receipts and expenditures of Hydrographic Office for its nautical books during the fiscal year 1925*

Kind of publication	On hand June 30, 1924	Received	Service expenditure	Sold	On hand June 30, 1925
Pilots (sailing directions)	71,887	6,391	6,223	3,250	68,805
Light lists	1,872	2,966	1,380	1,818	1,640
Manuals and tables	12,727	8,602	3,565	6,016	11,657
Miscellaneous nautical books	8,267	3,060	1,895	1,031	8,401
Total	94,753	21,019	13,154	12,115	90,503

TABLE 31.—*Distribution of periodical publications of Hydrographic Office, fiscal year 1925*

Name of publication	How often produced	Number of copies	
		Each edition average	Annual
Daily Memorandum (306 days)	Daily	494	151,164
Notice to Mariners (52 weeks)	Weekly	5,450	283,400
Extracts from Notice to Mariners (52 weeks)	do	3,000	156,000
Hydrographic Bulletin (52 weeks)	do	4,175	217,100
Corrections to Light Lists (52 weeks)	do	1,100	457,600
Notice to Aviators	Monthly	1,000	12,000
Mine warnings to mariners and supplements including chartlets	When received	1,500	1,500
North Atlantic Pilot Chart	Monthly	5,250	63,000
Ice Supplement to North Atlantic Pilot Chart	Weekly	4,175	217,100
North Pacific Pilot Chart	Monthly	3,350	40,200
Indian Ocean Pilot Chart	do	1,575	18,900
Central American Pilot Chart	do	4,150	49,800
South Atlantic Pilot Chart	Quarterly	1,950	7,800
South Pacific Pilot Chart	do	1,950	7,800
Total		39,119	1,683,364

DIVISION OF NAUTICAL RESEARCH

BOWDITCH

The recasting of the American Practical Navigator (Bowditch), referred to in the last annual report as being in progress, was accomplished in time for its issue along with the American Nautical Almanac for 1925, to whose altered arrangement, by the elimination of the astronomical day and the registration of the ephemerides according to the hours of the civil day at Greenwich, the navigator had been made to conform. And, in addition, the mathematical and navigational tables forming Part II of this epitome have been put through the press in a separate volume, entitled "Useful Tables from the American Practical Navigator."

PAMPHLETS TO BRING OLD BOOKS TO NEW SYSTEM OF RECKONING CIVIL DAY

Likewise, to bring them into conformity with the new arrangement of the Nautical Almanac for 1925, pamphlets have been written for insertion in the copies issued after the beginning of January of this year, of Hydrographic Office publications Nos. 71, 127, 200, and 201. All of these have been printed and are being used as specified, excepting the pamphlet for Hydrographic Office publication 201, "Simul-

taneous Altitudes and Azimuths of Celestial Bodies." This latter publication has been withdrawn from distribution pending the completion of the improvement of the tables contained in it.

HYDROGRAPHIC OFFICE 203 AND 204

The testimonals received from the nautical profession of the practical advantages in marine and aerial navigation derived from Hydrographic Office publication No. 203, entitled "The Summer Line of Position Furnished Ready to Lay Down Upon the Chart by Means of Tables of Simultaneous Hour Angle and Azimuth of Celestial Bodies," led the Hydrographic Office to undertake the production of a similar volume to extend these advantages in relation to observations of celestial bodies of higher declination.

The new volume of Hydrographic Office Publication No. 204, entitled "The Summer Line of Position Furnished Ready to Lay Down Upon the Chart by Means of Tables of Simultaneous Hour Angle and Azimuth of the Navigator's Stars."

The first of these volumes gives the hour angle and azimuth of the sun, the moon, the planets, and the stars of declination ranging from 27° north to 27° south of the equinoctial or celestial equator, at stated true altitudes, one degree or less apart, from 5° to culmination above the horizon of an observer situated on successive parallels of latitude, one degree apart, from 60° north to 60° south of the equator.

The volume just completed and about to be issued gives in like manner the hour angle and azimuth of those of the navigator's stars, not included within the range of declination of the first volume, that lie within the limits of the parallels of declination between 27° and 63° north and south of the equinoctial.

ADAPTATION OF HYDROGRAPHIC OFFICE PUBLICATIONS 203 AND 204 TO NEAR NOON SIGHTS

Among the considerations in the future outline of work is the task of adapting the Tables of Simultaneous Hour Angle and Azimuth generally to the reduction of observations taken near the meridian, since their availability in this respect is now limited to latitudes of the observer near the integer-degree parallels of latitude.

POLAR NAVIGATION

Although these volumes, Hydrographic Office publications 203 and 204, do not extend to the latitudes of the polar regions, the underlying principles which render their use convenient opened the way to furnish practicable methods to the National Geographic Society-MacMillan-Byrd Arctic expedition for determining geographical position in the region of the North Pole.

AERIAL NAVIGATION

In the new works that have been recently produced by the Hydrographic Office for the advancement of the progress of navigation, the expanding needs of aerial navigation have been kept in view, and methods, attended by means to carry them into practical execution have been furnished in the endeavor to meet the requirements of

aircraft navigators for dispatch in calculation in a confined space. Mention of these contributions is made in Nos. 131 and 198 of the Reports of the National Advisory Committee for Aeronautics, entitled, respectively, "Aerial Navigation and Navigating Instruments" and "Astronomical Methods in Aerial Navigation."

MAGNETIC CHARTS, 1925

The important and extensive labor of producing for the year 1925 the three epoch charts of the world—Hydrographic Office charts Nos. 2406, 1700, and 1701—in which are projected, respectively, the loci of equal values of the variation of the compass, the inclination of the magnetic needle, and the horizontal intensity of the earth's magnetism, has been brought to completion; and these charts have been published to provide the means for assigning the correct direction of the magnetic meridian on the official navigational charts and also the fundamental data used in the computations by navigators for deducing the characteristics of the magnetism of ships and the deviation of the magnetic compass.

To enable the Hydrographic Office to continue to serve the interest of navigation by the issue from time to time of succeeding editions of these requisite magnetic charts, it is necessary in the interim to be unremitting in gathering and discussing authentic observations of the magnetic elements, such as those of the magnetic observatories and those which have been furnished by the department of terrestrial magnetism of the Carnegie Institution of Washington resulting from the expeditions of circumnavigation of the nonmagnetic vessel *Carnegie*.

MACMILLAN-BYRD POLAR EXPEDITION

In consequence of the cooperation of the Navy Department with the American Arctic expedition now in progress, additional magnetic charts were produced and furnished in the form of fair drawings of the loci in the north polar region of equal values of the variation of the compass and the inclination of the magnetic needle, and also of the magnetic meridians.

TIDAL DATA, TAHITI

The completion of the continuous record of the tide at Tahiti for 12 months with automatic tide gauge and equipment supplied by the Navy Department and kept under the supervision of Mr. Harrison W. Smith, late of the Massachusetts Institute of Technology, supplements the existing resources for the study of oceanic tidal behavior in the Pacific. These records have first been put at the service of the Coast and Geodetic Survey for the deduction of results suitable for incorporation into the official Tide Tables of the United States and Foreign Ports. Meanwhile, the record is being extended by the continued operation of the tide gauge.

GENERAL INFORMATION

The research information service has continued to supply the needs of the many inquirers who write in relation to the applications of astronomy to navigation and regarding tides, currents, and other

branches of terrestrial physics. To some of these replies can be made by sending publications, but in many instances explanations or even some special investigations are needed to meet the requirements of the inquiry. Numerous navigational distances have been supplied to the maritime interests, and positions for projecting steamship tracks together with courses along these tracks have been determined for incorporation into the pilot charts of the several oceans.

Miscellaneous

INTERNATIONAL ICE PATROL

The Coast Guard cutters *Modoc* and *Tampa* began the international ice patrol on March 25, 1925. Daily reports of conditions are made by these vessels to the Hydrographic Office. The Hydrographic Office in turn broadcasts daily ice reports from Arlington, Annapolis, Boston, New York, and Norfolk. It is hoped that much data will be acquired concerning the depths on the Grand Banks, as a sonic depth finder was installed on one of these vessels.

DETECTING ICEBERGS BY MEANS OF SONIC DEPTH FINDER

No reports have been received concerning the ability to pick up icebergs with the sonic depth finder.

INCREASE IN NAVIGATIONAL AIDS ON THE PACIFIC COAST OF THE UNITED STATES

Renewal is made of the recommendations contained in the annual report for 1923 and 1924 (*a*) that the number of lights on the Pacific coast be increased; (*b*) that additional primary lights at harbor entrances and turning points be increased in candlepower; (*c*) that additional lighted whistling buoys and submarine bell buoys be provided.

IMPROVEMENT IN RADIO SERVICE ON THE PACIFIC COAST

The recommendation contained in my annual reports of 1923 and 1924 that the radio and radio compass service on the Pacific coast be improved is renewed.

LIGHTS ON THE EAST COAST OF CENTRAL AMERICA

Negotiations are now under way to have a light constructed on Man-of-War Cay, Nicaragua. This will greatly aid vessels bound from New Orleans either to the Central American coast or to the Panama Canal.

DEPENDENCE OF THE UNITED STATES ON FOREIGN SOURCES OF CHART SUPPLY

Attention is invited to the same paragraph, page 29, of my annual report for 1924. This recommendation is renewed.

INTERNATIONAL HYDROGRAPHIC BUREAU

The International Hydrographic Bureau is filling a long-felt want in its efforts to standardize charts, Notices to Mariners, Sailing Directions, Light Lists, etc. The International Hydrographic Bureau prepared drawings of the different buoyage systems of all countries, and the Hydrographic Office published this as a supplement to the Pilot Charts. It also prepared the drawings from the Storm Warnings of all countries, and the Hydrographic Office will publish this information as a supplement to the Pilot Charts. The Buoyage Chart has been greatly appreciated by mariners generally.

INTERNATIONAL SCIENTIFIC CONFERENCE

A provision in the naval bill for 1926 provides money to send representatives of the Navy Department to meetings of the International Research Council and its branches. This will enable the Navy to keep in close touch with scientific subjects.

TOTAL ECLIPSE OF THE SUN

The Hydrographic Office published a special Pilot Chart of the North Atlantic Ocean, showing the path of the total eclipse of the sun, January 24, 1925, and requested vessels in the eclipse areas to report conditions of sea, wind, corona, etc. Many reports were received.

TEMPLE BILL

In order to assist the President of the United States in carrying out the provisions of the Temple bill for the completion of the topographic survey of the United States, the Secretary of the Navy has offered the services of the Hydrographic Office.

LEGISLATION NEEDED

The Hydrographer renews his recommendation that legislation be enacted to permit the Hydrographic Office to credit its personnel and maintenance appropriations with the cost of labor and material for work done for offices or bureaus of the Navy Department.

The Hydrographic Office has a lithographic plant that is a valuable asset to the Navy Department. Work can be done cheaper and quicker in this plant than by outsiders and with absolute secrecy, and it is felt that money is being lost by not utilizing the Hydrographic Office facilities. (See p. 31, Annual Report, 1924.)

The recommendation that legislation be enacted to allow the Hydrographic Office to do work for foreign governments under the same conditions as stated above is renewed. (See Annual Report, 1924, p. 31.)

BRANCH HYDROGRAPHIC OFFICE, HONOLULU, HAWAII.

There is urgent need for a branch hydrographic office at Honolulu, Hawaii, both by the Navy and the merchantile marine, and legislation to that end is recommended.

BRANCH HYDROGRAPHIC OFFICE, LOS ANGELES, CALIF.

A branch hydrographic office is needed at Los Angeles, Calif. A bill to provide this office was introduced in the House of Representatives some time ago.

PERMANENT ADVISORY COMMITTEE ON OCEANOGRAPHY

To push the plans for the Maury oceanographic research, Capt. F. B. Bassett, United States Navy, has been made permanent chairman of the Advisory Committee on Oceanography. (For the report of the conference on oceanography, see annual report, 1924, pp. 32–35.)

F. B. BASSETT

Approved, July 1, 1925.

W. R. SHOEMAKER, *Chief of Bureau.*

TABLE A.—*Tabular statement of work done by the branch hydrographic offices during the fiscal year ending June 30, 1925*

Character of work	Atlantic and Gulf coasts									Pacific coast			Great Lakes					Hydrographic information office Honolulu [1]	Total
	Boston	New York	Philadelphia	Baltimore	Norfolk	Savannah	New Orleans	Galveston	San Juan	San Francisco	Portland	Seattle	Duluth	Sault Ste. Marie	Chicago	Cleveland	Buffalo		
Publications distributed:																			
Bulletin, Hydrographic	10,423	30,602	6,582	2,200	3,378	3,582	7,800	2,943	973	22,169	3,489	7,828	2,020	288	100	3,345	864	57	108,643
Daily Memorandum	19,530	21,203	12,244	11,820	2,878	4,263	15,274	5,487	3,481	4,042	4,536	6,076	612	138,471	65,428	1,045	90	123	316,603
Notice to Mariners (H. O.)	11,182	29,881	16,312	5,305	4,902	3,601	7,851	4,275	952	29,832	4,190	8,393	29,921	224	4,056	41,582	17,680	281	220,420
Pilot Charts	3,939	20,629	2,283	2,030	1,407	1,112	6,976	3,128	490	18,185	2,852	4,214	947	4	1,115	1,549	9	121	70,990
Reprints of Hydrographic Information	2	317	0	0	33	0	0	0	0	0	9	110	0	3,018	16	8	0	0	3,513
Pamphlets (not Hydrographic Office)	0	0	0	0	158	0	0	0	0	12	0	540	223	3	0	0	0	0	936
Mine warnings	21	326	0	0	0	0	0	0	0	28	0	126	0	0	0	0	0	0	501
Marine Data	605	0	4,891	971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,467
Miscellaneous	52	32,724	0	6,689	11,982	5,550	0	0	0	4,392	11,235	2,647	0	8,048	6,522	280	5,308	0	95,429
Reports forwarded:																			
Aids to Navigation	58	614	30	0	54	19	0	7	5	65	21	220	75	560	725	119	0	2	2,574
Chart reports	1	2	1	4	0	1	2	0	0	21	12	0	0	1	0	0	0	0	45
Current reports	603	7,592	990	580	240	147	2,570	743	138	2,097	142	390	0	0	0	0	0	26	16,258
Ice reports	19	63	1	0	0	0	0	0	0	27	1	1	14	5	1	0	0	0	132
Intention to observe	4	66	0	1	47	26	0	1	13	86	57	10	0	0	0	0	0	0	311
Oil, use of, to calm the sea	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4
Port facilities	3	20	2	4	2	4	186	4	0	187	2	6	0	76	36	0	0	0	532
Reports of soundings	1	122	0	1	0	0	5	2	0	2	1	2	14	46	41	0	0	0	237
Rocks or shoals	0	8	0	1	0	0	6	1	0	2	2	9	12	36	30	1	0	0	108
Route reports	20	135	21	8	4	15	38	34	1	76	11	3	0	0	3	0	0	1	370
Wrecks, derelicts, etc	36	171	26	32	95	60	285	51	17	227	12	53	19	41	37	7	0	3	1,172
Unclassified reports	62	422	20	17	307	43	201	0	0	326	1,011	164	4	1	0	6	968	15	3,567
Other work:																			
Acknowledgments (Form 24)	799	2,878	616	352	111	104	2,072	488	275	1,580	93	289	156	119	244	28	89	24	10,317
Circular letters sent out	127	1,939	0	0	15	325	1,700	22	192	1,333	226	122	1,230	363	94	1,000	770	15	9,473
Letters written (not circular)	275	1,742	44	73	69	143	267	178	97	529	265	180	888	778	174	481	317	45	6,545
Time ball dropped	(2)	(2)	301	(2)	(2)	(2)	(2)	(2)	(2)	304	(2)	(2)	297	137	(2)	(2)	250	(2)	1,289
Vessels visited	0	57	0	0	0	0	0	109	202	421	145	43	63	13,650	12	0	0	25	14,727
Visitors received	801	5,277	4,099	4,354	1,647	3,126	3,368	583	328	2,887	960	1,802	5,753	389	868	2,875	3,228	123	42,468
Telephone calls received	527	4,025	1,693	4,086	920	1,921	539	1,199	435	2,542	1,181	2,739	3,578	3,836	993	8,110	2,777	25	41,126
Miscellaneous	0	115	0	2,699	145	0	627	0	0	18	430	131	0	0	27	0	0	70	4,262

[1] For 6 months.

[2] No time ball.

TABLE B.—*Showing itemized chart printing by Hydrographic Office for the fiscal years 1922, 1923, 1924, 1925*

Lithographed	July 1, 1921–June 30, 1922			July 1, 1922–June 30, 1923			July 1, 1923–June 30, 1924			July 1, 1924–June 30, 1925		
	Editions	Copies	Total copies	Editions	Copies	Total copies	Editions	Copies	Total copies	Editions	Copies	Total copies
Hydrographic Office charts:												
Photo reproduction	148	32,525	211,878	134	32,881	199,974	129	31,019	198,094	219	59,178	276,940
Transfers from copper	120	23,650		87	16,690		108	17,450		96	14,462	
Corrections, existing plates	581	102,850		566	103,950		595	100,125		968	150,875	
Reprints (no corrections)	227	52,853		191	46,453		246	49,500		104	52,425	
Naval operations charts:												
Photo reproductions	3	350	350	2	1,750	1,750	15	3,746	3,746	1	315	315
Corrections, existing plates												
Reprints (no corrections)												
Anchorage charts:												
Photo reproductions	8	1,517	1,517	9	2,400	2,400	27	6,060	6,060	23	4,650	4,650
Corrections, existing plates												
Reprints (no corrections)												
Pilot charts:												
North Atlantic Ocean	12	71,135	205,305	12	64,550	186,000	12	63,150	186,000	12	70,400	197,100
North Pacific Ocean	12	40,395		12	36,200		12	39,250		12	40,800	
Indian Ocean	12	18,415		12	18,450		12	18,850		12	19,500	
Central American waters	12	53,645		12	50,500		12	49,150		12	50,400	
South Atlantic Ocean	4	10,850		4	8,150		4	7,800		4	8,000	
South Pacific Ocean	4	10,865		4	8,150		4	7,800		4	8,000	
Pilot chart supplements	18	79,500	79,500	56	236,000	236,000	52	234,000	234,000	60	268,000	268,000
Current plotting charts	10	250	250									
Chartlets for Notices to Mariners	63	417,500	417,500	49	271,900	271,900	33	187,800	187,800	10	58,600	58,600
Mine warning charts	4	7,100	7,100	2	3,300	3,300	1	1,400	1,400	1	1,400	1,400
Hydrographic Office, office forms	70	120,090	120,090	103	36,500	36,500	34	107,100	107,100	23	163,500	163,500
Index charts for Hydrographic Office publications	7	12,800	12,800	39	115,475	115,475	52	47,570	47,570	47	93,075	93,075
Miscellaneous	34	13,789	13,789	83	69,628	69,628	83	113,207	113,207	64	79,881	79,881
Total	1,349	1,070,079	1,070,079	1,377	1,122,927	1,122,927	1,431	1,084,977	1,084,977	1,672	1,143,461	1,143,461
Hydrographic Office charts, plate printed:												
Corrections	174	28,009	37,410	151	23,701	29,185	122	17,584	22,523	96	13,265	13,825
Reprints (no corrections)	60	9,401		34	5,484		40	4,939		4	560	
Grand total	1,583	1,107,489	1,107,489	1,562	1,152,112	1,152,112	1,593	1,107,500	1,107,500	1,772	1,157,286	1,157,286

TABLE C.—*Showing the progress made in reducing the dependence of the Hydrographic Office on British Admiralty charts*

[See pp. 20-21]

Year	Hydrographic Office charts			British Admiralty charts				Coast Survey charts			Summary	
	New charts made	Charts canceled	Charts on issue	On issue	Placed on issue	Canceled	Withdrawn	Placed on issue	Canceled	On issue	Total charts on issue	Percentage British Admiralty charts necessary for us to purchase
1900			1,256	2,138								
1901	86	22	1,320	2,010	27	63	92					
1902	98	28	1,390	2,013	43	40						
1903	85	22	1,453	2,015	65	57	6			425	3,893	51.6
1904	53	23	1,483	2,034	35	16		20	9	436	3,953	51.4
1905	57	21	1,519	2,040	38	32		78	8	506	4,065	50.2
1906	106	25	1,600	2,053						522	4,175	49.2
1907	81	21	1,660									
1908	112	13	1,759	2,030						541	4,330	46.9
1909	43	32	1,770	2,028						563	4,381	46.5
1910	13	45	1,738	2,030						596	4,367	46.5
1911	97	72	1,763	2,032	19	20		39	15	620	4,415	46.0
1912	76	15	1,824	2,002	16	46		14		634	4,460	44.9
1913	75	36	1,863	1,927	12	87		30	18	646	4,436	43.4
1914	212	7	2,068	1,700	6	181	52	38	30	654	4,422	38.5
1915	218	5	2,281	1,494	4	210		13	23	644	4,419	33.8
1916	197	42	2,436	1,319	2	139	38	10	10	644	4,399	30.0
1917	28	8	2,456	1,243	2	78		13	11	646	4,345	29.4
1918	24	8	2,472	1,234	2	11		14	12	648	4,354	29.3
1919	31	16	2,487	1,216	1	19		16	10	654	4,357	27.9
1920	73	18	2,542	1,183	0	33		17	16	655	4,380	27.0
1921	41	17	2,566	1.123	4	27	37	17	28	644	4 333	25.9
1922	42	29	2,579	1,099	0	19	5	27	25	646	4,324	25.4
1923	39	27	2,591	1,098	0	1	0	14	11	649	4,338	25.3
1924	50	30	[1] 2,611	1,076	0	22	0	28	6	666	4,383	24.7
1925	120	25	2,706	976	0	100	0	13	7	672	4 354	22.4

[1] In addition to the Hydrographic Office charts on general issue there are 196 confidential, secret, and special charts for naval uses only; 345 of these charts are from original surveys by the Hydrographic Office.

CHIEF
SECTION
LES AND ARCHIVES
H. A. Babcock

CHIEF
DIVISION
RITIME SECURITY
Naval Officer

CHIEF
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CHIEF
SECTION
CHART STOCK.
W. M. Whiting

CHIEF
SECTION
ISSUE
F. C. Ruby

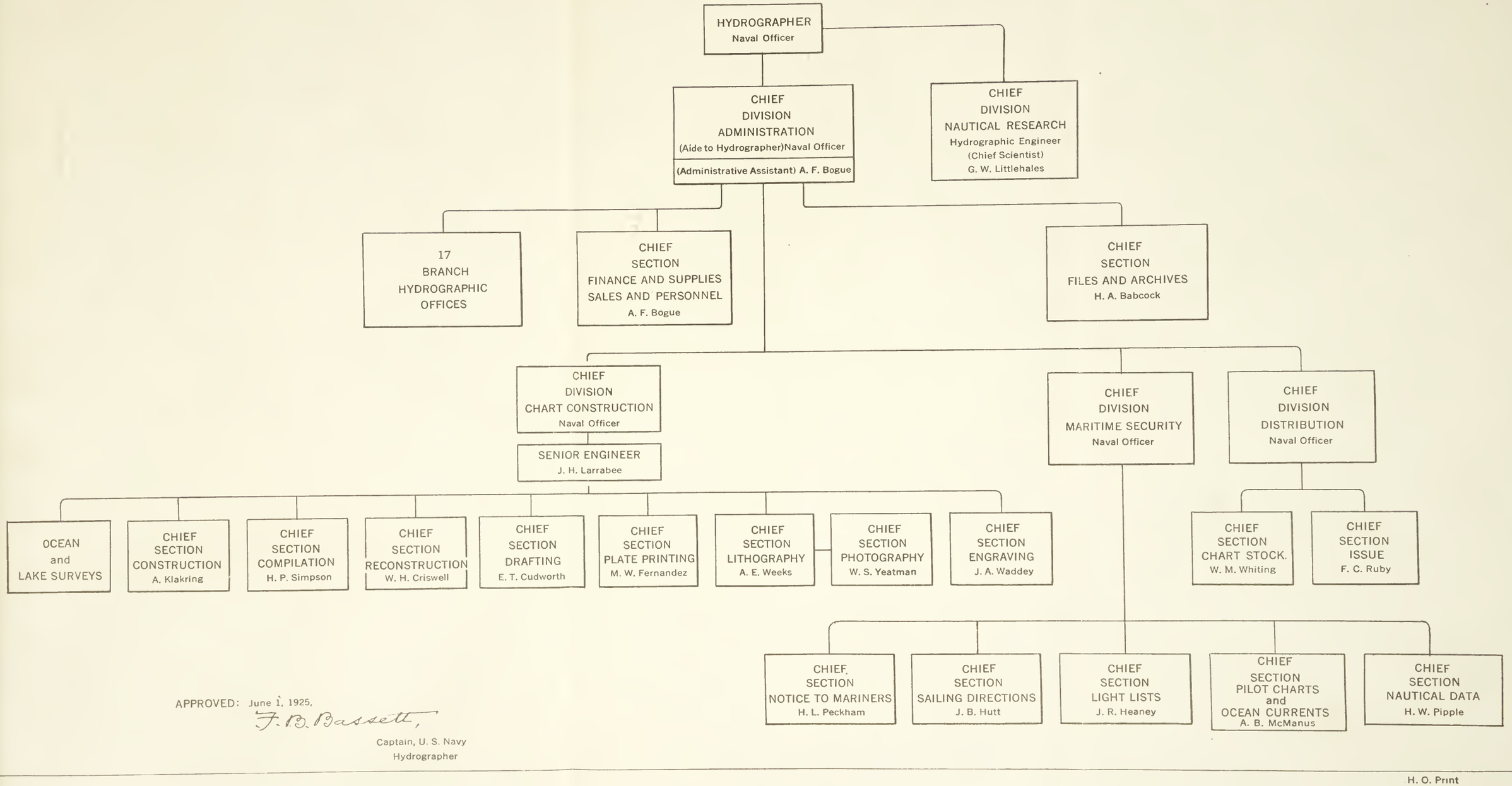
CHIEF
SECTION
LIGHT LISTS
J. R. Heaney

CHIEF
SECTION
PILOT CHARTS
and
OCEAN CURRENTS
A. B. McManus

CHIEF
SECTION
NAUTICAL DATA
H. W. Pipple

H. O. Print

ORGANIZATION CHART OF THE HYDROGRAPHIC OFFICE



APPROVED: June 1, 1925,

F. B. Bassett,

Captain, U. S. Navy
Hydrographer

H. O. Print

REPORT OF SUPERINTENDENT OF NAVAL OBSERVATORY

NAVY DEPARTMENT,
UNITED STATES NAVAL OBSERVATORY,
Washington, D. C., July 1, 1925.

From: Superintendent, Naval Observatory.
To: Chief of the Bureau of Navigation.
Subject: Report of the Superintendent, Naval Observatory, for the fiscal year ending June 30, 1925.

Capt. Edwin T. Pollock, United States Navy, continued as superintendent.

The astronomical council, composed of the superintendent, the assistant superintendent, and six astronomers, was unchanged except by a change in assistant superintendent.

The Naval Observatory in its regular routine activities has continued its work in supplying the Navy and the country in general with astronomical data, such as the American Ephemeris and Nautical Almanac, and the "time service," without which navigators, surveyors, astronomers, and certain other scientists, the railroads and other commercial activities which depend on accurate positions of celestial bodies and on exact time, would be wholly at sea.

Special time signals were sent at the requests of the Canadian Government and of the United States Coast and Geodetic Survey. These time signals from the Naval Observatory during the summers of 1924 and 1925 and from San Diego in 1925, were used by the United States Coast and Geodetic Survey for longitude determinations in Alaska, the Mississippi Valley, and in the western Aleutian Islands. They were used by three different departments of the Canadian Government for their longitude determinations with most excellent results and by observatories in Mexico, New Zealand, and Australia.

The plans for the necessary astronomy-of-position work which is the principal work of the astronomers at this observatory are developed by the astronomical council, and have due regard for all of the above.

The material department has continued the development, supply, and repair of all navigational and surveying instruments used by the Navy. This includes gyro compasses for surface, submarine, and aircraft, those compasses being used for accurate gunnery as well as for navigation.

The nautical instrument repair shop made repairs to 4,771 instruments, at a total cost of $25,666.85, of which $1,920.89 was for material. Fifteen skilled instrument men are employed.

The supply department is still short-handed as to personnel.

The American Ephemeris and Nautical Almanac for 1925, in accordance with an international agreement, began the astronomical day and year with the civil day at midnight, New Year's eve, instead of at noon of January 1. This naturally caused some inconvenience and trouble at first, but the results have been very satisfactory.

The new star catalogue, Positions and Proper Motions of 1504 Standard Stars, Volume X, part 1, Astronomical Papers of the American Ephemeris, was received from the printer on May 6, 1925. This filled a long-felt need of astronomers throughout the world.

The Appendix to Volume X, Publications of the United States Naval Observatory, Second Series, containing the results of the two total solar eclipse expeditions sent out by the Naval Observatory, one to Spain and Africa in 1905, and the other to Baker, Oreg., in 1918, and also containing the results of airplane observations of the total solar eclipse in California in 1923, was received from the printer January 15, 1925.

Contributions on astronomical subjects by members of the observatory staff are enumerated further on.

The total solar eclipse of January 24, 1925, was very successfully observed from the U. S. S. *Los Angeles* over the ocean east of Long Island by the superintendent and a party consisting of Capt. F. B. Littell (Math.), United States Navy; Associate Astronomers G. H. Peters and C. B. Watts, of the Naval Observatory; and Dr. C. C. Kiess (physicist), of the Bureau of Standards. Two special cameras designed and built by Mr. Peters and also two movie cameras were used.

Plans have been completed for a party from the Naval Observatory to observe the total solar eclipse in Sumatra January 14, 1926, Congress having made an appropriation for that purpose.

Congress also appropriated $4,041 to pay for a small tract of land held by the Observatory since 1913, but not appropriated for previously.

Owing to many causes, the round-the-world longitude determinations, authorized in 1923, were postponed until October, 1926.

Three thousand one hundred and thirty-three visitors (35 per cent more than last year), including schools, were given an opportunity to view the heavens through the observatory telescopes. Of these visitors, 1,500 were during July, August, and September, 1924, Mars being closer to the earth on August 22 than at any time since 1800—i. e., 34,635,900 miles.

A set of photographs of the officers, beginning in 1833, in charge of the depot of charts and instruments, and of the superintendents of the Naval Observatory was installed in the main building of the Observatory. Included with it are pictures of Thomas Harrison, clerk at the Naval Observatory for almost 72 years.

The reclassification of civil service employees of the Naval Observatory whereby they were rated and are now being paid more in accord with the value of their services has been very satisfactory, although these salaries are not considered adequate in many cases for the work performed.

During a meeting of the American Astronomical Society in Washington December, 1924, to January, 1925, one day was spent at the Naval Observatory with very satisfactory results in promoting a better understanding of the functions of this institution by observatories whose work is mostly research and not astronomy of position. Besides this continuous work of the Naval Observatory in astronomy of position, the importance of the time service and also of the supply, etc., of navigational instruments was more fully understood than before.

The specific activities of the different divisions follow.

Department of Material

Capt. A. Kautz, United States Navy, as assistant superintendent and head of the department, was detached June 1, 1925, and his place taken by Capt. W. C. Asserson, United States Navy, on June 3, 1925.

INSPECTION SERVICE UNDER THE NAVAL OBSERVATORY

Commander G. K. Calhoun (Math.), United States Navy, inspector at New York, was detached June 1, 1925. Lieut. Commander W. B. Phillips, United States Navy, reported on July 13 as his successor.

GYROCOMPASS DIVISION

New installations.—Installation was authorized on destroyers of 1 Sperry Mark VI, 11 Arma Mark II, and 8 Sperry Mark VIII Mod. 1, gyrocompass equipments.

Old equipments (salvaged).—Salvaged equipments (Sperry) modernized and modified to the mercury ballistic type have been authorized installed on five destroyer tenders, two auxiliaries, *Procyon* and *Nitro*, one hospital ship *Relief*, and one submarine *V–2*. In addition to the above, one equipment was furnished to the naval training station, San Diego, Calif., and one to the submarine base, New London, Conn., for instructional purposes.

Modernization.—The project of modification of the Sperry Mark I and Mark II compasses to the mercury ballistic type is continuing at the navy yards, Norfolk and Puget Sound. This modification greatly increases the reliability of the compass, particularly in rough weather. One hundred and thirty-five have been converted or are now being converted. About 100 of the converted compasses have been installed on vessels and are giving satisfactory results.

Instruction in gyrocompasses.—Instruction in gyrocompasses is carried on at the naval training stations, Hampton Roads, and San Diego, Calif. An advanced school for officers and rated men of the service, under the supervision of the naval inspector of navigational material at the navy yard, New York, has been established and utilized for the instruction of the personnel afloat. This school has proven itself of great value; the course of instruction given is such that the personnel attending become experts both in the theory and practical operation of gyrocompasses.

New equipments.—Contracts for new gyrocompass equipments and gyrocompass material have been made as follows:

Contract No.	Manufacturer	Material
63836 Class (1) I. & N	Sperry	13 destroyer equipments.
63836 Class (2) I. & N	do	3 submarine equipments.
64446 I. & N	Arma	2 duplex equipments for the *Lexington* and *Saratoga*.
63887 I. & N	Sperry	30 repeaters } For bringing destroyer equipments up to six repeaters per equipment.
63752 I–S	do	62 repeaters }
60488 I–S	Arma	53 repeaters }
64102 I. & N	do	1 tender test equipment } For fitting out destroyer and submarine tender gyro repair shop.
63548 I. & N	Sperry	3 tender test equipments }
64086 I. & S	Arma	2 tender test equipments }
64087 I–S	do	5 master compasses } Spares for tenders and bases.
64114 I–S	Sperry	6 master compasses }
63967 I–S	Arma	1 battle compass. A highly developed compass superior in accuracy for battleship.
63853 I–S	Sperry	30 large angle roll binnacles for replacement of binnacles now installed on battleships.
63835 I–S	do	100 commutator type transmitters for replacement of cam type transmitters of Sperry Mark V and Mark II compasses.

Deliveries—New equipments.—Eighteen of the fifty Sperry Mark VIII, Mod. 1 gyrocompass equipments due under contracts 60627 and 60812 have been delivered to the navy yard, New York, by the contractor. They will be assigned to destroyers as soon as they pass the required acceptance tests.

MAGNETIC COMPASS DIVISION

The routine review of annual compass reports from vessels has been executed and the results show that on the smaller vessels, such as destroyers and submarines, which are equipped with gyrocompasses, there is a decided tendency to neglect the magnetic compasses and to place entire dependence on the gyrocompass. This is a dangerous practice from the navigational point of view and efforts are being made to improve this condition.

These reports also show that some of the younger officers are not familiar with the deviation of the magnetic compasses, and to correct this condition it is urged that more young officers should take the compass course. The compass school at the Naval Observatory has been kept available at all times for officers desiring to take the compass course, but during the fiscal year only one officer took the course and he only partially and hurriedly.

It is believed that the development of the gyrocompass has led to a regrettable lack of interest in and understanding of the importance of the magnetic compass. To overcome this, more officers should take the compass course.

Contract has been let with Messrs. E. S. Ritchie & Sons for the alteration of Mark II submarine compasses to make them practically the same as the Mark III compasses.

Correspondence from the commander in chief, Battle Fleet, called attention to the necessity for a boat compass which was capable of rough compensation. After a survey of the situation, it was decided to experiment with the No. 3 compass and binnacle for this purpose, and accordingly five of them were issued to the Battle Fleet for experimental purposes. No reports have yet been received as to their usefulness for this purpose, but it is hoped they will be found suitable. If so, a great saving will be effected in equipping the boats of the fleet with this compass.

The nautical instrument repair shop has been constantly engaged to the limits of its capacity in the repair of damaged magnetic compasses and azimuth circles and other instruments.

AIR NAVIGATION AND AEROLOGICAL INSTRUMENT DIVISION

The Naval Observatory has continued as before to handle Bureau of Navigation correspondence in regard to the design, procurement, and issue of air navigating and aerological instruments for the Naval Air Service. Although the air stations have done some of the repair work on these instruments, the major part of it has been done at the Naval Observatory.

Tests of the "Pioneer" earth inductor compass have been conducted and show that the instrument has possibilities and is worthy of further development. Five of them have recently been purchased and issued to the service, three to the naval contingent of the Mac-

Millan Arctic expedition, and two for the prospective West Coast–Honolulu flight.

Reports from the service on the Bygrave slide rule for solving the astronomical triangle are very favorable.

A modified type of the Campbell Bennett aperiodic compass was purchased from Messrs. Henry Hughes & Sons, of London, and was tested at the Observatory and in flight. It showed marked improvement over the Mark II compasses and was forwarded for use in the prospective West Coast–Honolulu flight.

Until recently no sextant especially designed for aeronautical work had been experimented with. It had been customary to fit the bubble attachment on the ordinary navigating sextants. These sextants are entirely too heavy and cumbersome for use in airplanes. To meet this condition, the Observatory has ordered for experimental purposes some specially designed octants made of aluminum and fitted with the Willson bubble telescope. These are in two sizes, 5-inch and 7-inch radii. Also the Bureau of Standards, working on the RAE sextant, has produced a model, two of which have been manufactured and delivered. It is expected to equip the West Coast–Honolulu flight with these instruments and good results are hoped for them. It is also hoped that with the furnishing to the service of sextants especially designed for air navigation a deeper interest in this subject may be awakened.

The naval detachment of the MacMillan Arctic expedition was fitted out with complete sets of air navigating and aerological instruments.

The Naval Academy was also equipped with a complete set of air navigating instruments for use in the new course in aeronautics at that institution.

The Naval Observatory has recommended to the Bureau of Aeronautics a system of air navigation based on Mr. G. W. Littlehales's method of using a central position chart.

The Observatory has kept in touch with our naval air attachés in order to obtain for the naval air service the latest and best type of aeronautical instruments available throughout the world.

DIVISION OF NAUTICAL INSTRUMENTS AND THE TIME SERVICE

Lieut. Commander J. F. Crowell, U. S. N., in charge. Associate Astronomer Paul Sollenberger, technical assistant]

This division has continued its work with reference to nautical instruments and navigational equipment in the same manner as reported last year.

Several new instruments and devices for use in navigation have been under consideration and trial.

Time service.—Time signals were sent by the Naval Observatory on damped waves, frequency 113 kilocycles, wave length 2,650 meters, and on continuous waves, frequency 17.5 kilocycles, wave length 17,145 meters, via the naval radio stations at Arlington and Annapolis, respectively, twice daily throughout the year. These signals ended at noon and 10 p. m., 75th meridian (5 hours and 15 hours Greenwich mean time, from July 1 to December 31, 1924, and 17 hours and 3 hours Greenwich time from January 1 to June 30, 1925), except that the 10 p. m. March 24 and noon, April 25 signals were sent one hour later due to trouble with apparatus.

Special time signals were sent via Annapolis and ending at 3 a. m. (20 hours Greenwich mean time) daily from July 8 to August 30, 1924, for use of the Canadian Government and the United States Coast and Geodetic Survey in their longitude determinations with excellent results. One Canadian department reported that the location of one of their stations was changed 15 miles.

Two special signals were sent via Arlington and Annapolis at 8.40 a. m. and 9.40 a. m., on January 24, 1925, for the use of persons observing the total solar eclipse on that day.

On May 16 and to continue to September 30, 1925, a series of special signals via Annapolis and ending at 3 a. m. (75th meridian time) was begun. On the same date a series of special signals from a break-circuit chronometer at the naval radio station, San Diego, Calif., was begun on continuous wave, frequency 30.6 kilocycles, wave length 9,800 meters, signals to end at about 3 a. m. (120th meridian time).

These signals are recorded at the Naval Observatory and the errors measured. No records were secured on the 8th, 15th, 19th, 26th, and 28th of June, owing to various causes. These series of signals were for the use of the Canadian Government and for the United States Coast and Geodetic Survey for longitude determinations in Canada, in the United States, and the western Aleutian Islands. They were also used by astronomers in Mexico, New Zealand, and Australia.

The regular time signals at noon and 10 p. m. are broadcasted by radio, both naval and private. The noon signal is widely distributed by the Western Union and the Postal Telegraph Cos.

The average error of all signals sent during the year was 0.032 second, the maximum error was 0.17 second, except that the signal ending at 10 p. m. on August 8, 1924, was accidentally in error by almost 1 second, its correction being 0.99 second.

The following table gives the results obtained from automatic reception of signals sent from the Lafayette radio station at Bordeaux, France. Owing to the delay in receiving the Paris times of these signals, the results are only given through December, 1924. They are given beginning with March, 1924, since it was not possible to include those in the report for the last fiscal year. The reception of these signals has been improved during the year, and a greater number of records were secured in the latter than in the former part of the fiscal year.

Month	Washington-Paris.	Number of days	Month	Washington-Paris	Number of days
1924	*s.*		1924	*s.*	
March	+0.05	19	August	+0.02	11
April	+.10	11	September	+.01	17
May	−.04	10	October	+.03	19
June	−.06	5	November	+.04	17
July	−.10	4	December	−.04	22

The lags of Annapolis and Arlington are now measured for each signal, and the results furnished with the monthly list of time-signal corrections. The lag of Arlington varies from 0.05 to 0.10 second and of Annapolis from 0.07 to 0.10 second. These corrections are being used by an increasing number of persons.

Chronometers, torpedo-boat watches, patrol-boat watches, patrol-boat chronometers, clocks, and watches.—One chronometer trial was held during the year, beginning January 5 and ending June 13, 1925. The accompanying tables show data for old chronometers and watches making a trial number not greater than 35, and new chronometers making a trial number not greater than 25. (Tables I, II, and III.)

The following timepieces were received during the year:

Chronometers:	
New for test (25 passed)	31
Old, for trial	169
Old, for repairs	115
Torpedo-boat watches:	
Old, for test	39
Old, for repairs	49
Patrol-boat watches and chronometers:	
Old, for test	119
Old, for repairs	200
Stop and comparing watches:	
New, for test	21
Old, for test	232
Deck, boat, airplane, and wall clocks:	
New, for test	338
Old, for test	595

All timepieces except chronometers, torpedo-boat watches, patrol-boat watches, and patrol-boat chronometers were turned over to the supply officer for stock after test. The following were issued during the year by the time service:

Chronometers:	
For use	123
Rejected, to owners	1
Torpedo-boat watches:	
For use	42
Patrol-boat watches and chronometers:	
For use	158

SUPPLY DIVISION

Value of stock on hand July 1, 1924	$1, 984, 353. 58	
Value of instruments, etc., purchased	46, 205. 28	
Value of instruments, etc., from stations and ships	213, 924. 20	
Value of instruments, etc., issued and expended		$193, 467. 86
Value of stock on hand June 30, 1925		2, 051, 015. 20
		2, 244, 483. 06

	This year	Last year
Number of shipments received	1, 497	3, 092
Number of instruments and parts received	40, 821	38, 501
Number of shipments made	1, 202	3, 185
Number of instruments and parts shipped	36, 065	29, 288

From the above figures it will be noted that the number of shipments received and made are about 50 per cent less than for the previous year; however, the number of instruments and parts received and shipped show an increase.

The value of instruments purchased and received during the fiscal year indicate a decrease of about 33 per cent, and the value of instruments issued shows a decrease of about 50 per cent, but the value of stock on hand shows an increase of $66,661.62 over the previous year.

INSPECTION DIVISION

Practically no instruments for navigation have been purchased this year. The nautical instrument repair shop has been very busy and much material bought for use in repairs. Much additional work has been done in aviation and also for the destroyers at Philadelphia.

The following is a list of instruments repaired during the year:

Alidades	5	Mirrors, resilvered	855
Altimeters	607	Peloruses	15
Azimuth circles	49	Plotting boards	25
Barographs	10	Protractors, 3-arm	18
Barometers	24	Psychrometers	7
Binoculars	356	Sextants	245
Chronometers	77	Spyglasses	290
Chrometer boxes	142	Stadimeters	53
Clinometers	28	Telescopes	8
Clocks	643	Thermographs	5
Compasses	303	Theodolites	14
Compasses, aero	327	Transits	62
Dividers	6	Universal drafting machine	280
Magnets	249	Watches	10
Miscellaneous instruments	53	Miscellaneous instruments, aero	5

A total number of 4,771 instruments were repaired at a total cost of $25,666.85, of which $1,920.89 was for material.

Department of Nautical Almanac

[In charge of Capt. W. S. Eichelberger, Corps of Professors of Mathematics, U. S. N.]

The American Ephemeris and Nautical Almanac for 1927 was received from the printer on June 8, 1925.

The American Nautical Almanac for 1927 was sent to press on May 21, 1925.

All of the copy of the American Ephemeris and Nautical Almanac for 1928 has been sent to the printer, and 316 pages are in type.

The investigation of the orbits of Saturn's satellites has been continued. One hundred and thirty-eight sets of corrections to the elements have been obtained from 18 pairs of satellites, and equations of condition have been formed for 57 more sets, covering in all 22 oppositions.

The work on the determination of the orbit of Neptune's satellite based on 1,639 observations made during 33 oppositions from 1889 to 1923 is ready for publication.

Department of Astronomical Observations

DIVISION OF 6-INCH TRANSIT CIRCLE

[Astronomer J. C. Hammond (in charge)]

Observations for time were continued with a Prin portable transit as well as with the 6-inch. Such observations were made on 132 nights with the 6-inch and on 73 nights with the Prin transit.

The following table gives a comparison of the clock corrections determined with the two instruments for each month. A constant correction for clamp difference, ± 0.019 second, has been applied to the

clock corrections of the 6-inch to reduce to the mean of the two clamps. The differences are in the sense Prin minus 6-inch.

Month	Difference in clock corrections	Number of nights	Month	Difference in clock corrections	Number of nights
1924	*s.*		1925	*s.*	
July	+0.025	12	January	+0.031	4
August	+.031	6	February	+.025	5
September	−.010	6	March	+.024	5
October	+.002	8	April	+.009	4
November	+.029	7	May	+.011	6
December	+.015	6	June	+.008	4

Observations of the moon were begun on December 14, and a new program of work comprising the sun and planets as well as the moon was commenced on May 16. The number of observations made during the year is:

	6-inch	Prin
Sun	25	----
Moon	65	----
Mercury	10	----
Venus	16	----
Jupiter	9	----
Clock stars	551	----
Time stars	765	441
Azimuth stars	177	64
Total	1,618	505

The 6-inch was reversed 69 times and the number of determinations of its instrumental constants is:

Collimation	231	Marks	261
Level	260	Nadir	167

A blower with pipes leading to the thermometer over the instrument and to the one in the shelter on the north side of the building was installed in October to draw air past the bulbs of the two thermometers.

Six sets of measures were made for the determination of the value of a revolution of the zenith distance micrometer screw in November and December. The resulting value is 1 revolution = 28″.516.

Lack of available printing funds has prevented the publication of the results of the observations made during the period 1909–1918, but it is expected that the manuscript will be sent to the printer at an early date.

CLOCK VAULT

The temperature in the clock vault was maintained practically constant at 84° F. during the year. Riefler clock No. 60 was used as the standard clock until April 8, Riefler No. 151 from April 8 to April 30, and Riefler No. 60 from April 30 until the end of the year. No. 70 was cleaned in December, No. 151 in February, and No. 60 in April. No. 151 ran very irregularly in April and stopped on April 30.

The following table gives the mean daily rates of the three Riefler clocks in the vault and the maximum variations in the rates for each month:

Month	No. 60		No. 70		No. 151	
	Mean daily rate	Maximum variation	Mean daily rate	Maximum variation	Mean daily rate	Maximum variation
1924	*s.*	*s.*	*s.*	*s.*	*s.*	*s.*
July	−0.38	0.01	−0.21	0.03	−0.50	0.03
August	−.38	.01	−.22	.01	−.54	.07
September	−.38	.01	−.22	.01	−.60	.04
October	−.39	.01	−.22	.02	−.61	.02
November	−.39	.01	−.20	.03	−.60	.02
December	−.39	.01	----------	----------	−.66	.07
1925						
January	−.39	.01	----------	----------	−.71	.04
February	−.40	.01	----------	----------	----------	----------
March	−.41	.02	+.21	.01	+.14	.03
April	----------	----------	+.19	.02	+.19	.13
May	+.26	.07	+.15	.04	----------	----------
June	+.18	.07	+.11	.06	----------	----------

Total variation in daily rate during the year:

No. 60: 0.04 second from July to March, inclusive.

No. 70: 0.04 second from July to November, inclusive; 0.13 second from March to June, inclusive.

No. 151: 0.25 second from July to January, inclusive; 0.16 second during March and April.

DIVISION OF 9-INCH TRANSIT CIRCLE

[Astronomer Herbert R. Morgan (in charge)]

The observations of the intermediary and standard stars begun August 1, 1913, have been continued, together with observations of the sun, moon, planets and day clock stars, and the number of observations made during the year is as follows:

Intermediary stars	1, 484	Venus	16
Standard stars	458	Mars	21
Clock stars (day)	412	Jupiter	14
Clock stars (night)	1, 524	Uranus	12
Azimuth stars	285	Neptune	12
Sun	61		
Moon	74	Total	4, 402
Mercury	29		

The total number of observations made since the beginning of this work in 1913 is 72,036. Observations of the sun, moon, and planets with this instrument were discontinued in February, 1925, and except for a little miscellaneous work still to be done, the observations of the intermediary and standard stars were completed in June, 1925.

The instrument was reversed six times during the year, and the number of determinations of instrumental constants is:

Collimation	614	Marks	645
Level	651	Nadir	640

The final clock corrections and the clock rates have been determined to 1925, and entered on the reduction sheets from 1913 to 1918. The observations reduced to mean place have been entered

on the cards for the two years 1913–1915. The reductions for 1919–1922 are being carried on, and considerable work has been done on the precessions. The results of preliminary reductions of the observations of the moon from January, 1923, to February, 1925, have been published.

DIVISION OF THE EQUATORIALS

[In charge of Commander Asaph Hall, Corps of Professors of Mathematics, U. S. N.]

26-INCH EQUATORIAL

Observations were made as follows:

Comparison stars	9	Comet 1925d (Tempel II)	2
Occultations	27	Asteroid 1923 NT	7
Eclipses of Jupiter's satellites	2	Asteroid 1924 TD	54
Comet Encke	19	Double stars, system 70 Ophiuchi	34
Comet 1924c (Finsler)	10	Satellites of Mars	114
Comet 1925a (Shajn-Comas Solà)	7	Satellites of Saturn	32
Comet 1925b (Reid)	5	Satellite of Neptune	11
Comet 1925c (Orkisz)	6		

Determinations of the following were also made:

Screw value by transits of equatorial stars	5
Parallels	110
Coincidences	76

12-INCH EQUATORIAL

With this instrument were observed 22 occultations of stars by the moon, also the partial solar eclipse of January 24, 1925.

The Observatory was open to visitors by card for viewing the heavens through this instrument on 74 nights, of which 9 were cloudy. There were 3,133 visitors, including those received on special nights assigned to schools.

The reductions in the observing books are completed nearly to July 1, 1925.

It is expected to have an equatorial volume prepared for publication at the close of the fiscal year 1926.

PHOTOGRAPHIC TELESCOPE

This instrument has not been in operation during the present fiscal year. Photographs of asteroids previously made have mostly been measured, and are now with the computing bureau for reduction. A few plates still remain to be measured.

Due to the fact that some of the lenses employed on eclipse expeditions by this observatory had become obsolete for modern eclipse research work, it was decided to use one of the 10-inch triple photographic objectives of 113 inches focal length at the coming Sumatra eclipse. This 10-inch lens was dismounted from the instrument on May 8, and is now with other apparatus in transit to the Sumatra eclipse station.

THE PHOTOHELIOGRAPH

Photographs of the sun with the 40-foot photoheliograph were made on 247 days during the present fiscal year. Solar spots or

groups were observed upon 213 of these photographs. Compared with the preceding fiscal year, and with that of 1923, the latter being the period of sun spot minimum, observations during the present year exhibit a notable increase in solar activity. The increment in the number and size of the groups observed, together with the appearance of spots in the higher solar latitudes, are indicative of the progress of the new cycle. The exchange of observational data with the Western Union Telegraph Co. has been continued. But little change has been reported in the quiescent magnetic conditions existing during the sun spot minimum, and to the present time on the land and cable lines of this company. It is likely, however, that with the progress of the cycle toward the sun spot maximum, disturbances on the company's lines will become more frequent and of greater intensity.

DIVISION OF THE PHOTOGRAPHIC ZENITH TUBE AND ALT-AZIMUTH

[In charge of Capt. F. B. Littell, Corps of Professors of Mathematics, U. S. N.]

PHOTOGRAPHIC ZENITH TUBE

The results for the year 1924 have been sent to the Astronomical Journal for publication. The value of the aberration constant from the year's observations is $20''.429 \pm 0''.010$, and the value from the nine years' work is $20''.454 \pm 0''.005$. The number of observations secured during the year was 2,159.

ALT-AZIMUTH

On account of the accumulation of reduction work in the Observatory, it has been deemed advisable to omit observations with the alt-azimuth during the year.

DIVISION OF THE PRIME VERTICAL TRANSIT

[Astronomer George A. Hill (in charge)]

Mr. Hill has continued to carry out the plan of work for the instrument.

The intended number of observations of each star on the working list has in a great measure been obtained. Those of which a sufficient number of observations have not yet been secured are in the region of the sky from 2 to 7 hours of right ascension. It is expected that during the coming fall and winter they will all be observed.

During the year 535 observations of these stars have been secured with the instrument and progress has been made in their reductions.

The first galley proof of the Prime Vertical Volume, which will be Volume X, Part I of the Naval Observatory publications, was received from the Government Printing Office on January 20, 1925.

The proof and the corrected galleys, as well as the illustrations which are to appear in the volume, were returned to the Government Printing Office May 12, 1925.

COMPUTING DIVISION

[Under the direction of the executive committee and supervised by Associate Astronomer Eleanor A. Lamson.]

For the 9-inch transit circle.—Work has been done on the clock sheets to February, 1925, and some work has been done on the mean place sheets. A part of the following work has also been done in this division: Regular reductions in right ascension to October, 1920; in declination to April, 1921, and on special moon reductions for 1923 and 1924.

For the 6-inch transit circle.—A part of the following work has been done in this division: Preparation of the catalogue of the 1911–1918 work, preparation of the printer's copy 1911–1918 work, reductions of moon observations in January and February, 1925, and of star observations in May and June, 1925.

For the equatorials.—Work has been done in the reductions in the current observing books, and in preparation of material for publication, including a large list of asteroid observations and data for the sun-spot record.

Total solar eclipses.—Final work was done on the proof of Appendix, Part II, Volume X, Publications of the U. S. Naval Observatory.

Miscellaneous.—The results of observations of the partial phases of the eclipse of January 24, 1925, made at the Naval Observatory, were prepared for publication. Data pertaining to the eclipse were prepared for the Bureau of Standards.

LIBRARY

Mr. W. D. Horigan continued as librarian throughout the year.

	Volumes	Pamphlets	Total
Contents of the library July 1, 1924	32, 156	6, 149	38, 305
Accessions:			
By purchase	249	2	251
Through exchange	306	136	442
Total	32, 711	6, 287	38, 998

There were distributed 7,663 publications of the institution, including 566 copies of the American Ephemeris and Nautical Almanac for 1925 and 2,283 copies of the American Nautical Almanac for 1925.

CONTRIBUTIONS TO CURRENT ASTRONOMICAL LITERATURE

The following publications have appeared in the Astronomical Journal during the year ending June 30, 1925:

1. Elements and Ephemeris of 1923 W 21, by Ernest Clare Bower and John Edwin Willis. (No. 839.)
2. Orbit of the Fifth Satellite of Jupiter, by James Robertson. (No. 840.)
3. Observations of (433) Eros, by Asaph Hall and Ernest Clare Bower. (No. 840.)
4. Report on Observations of Transit of Mercury, May 7, 1924, by F. B. Littell. (No. 844–845.)
5. Observations of 1923 P. E., by Ernest Clare Bower. (No. 844–845.)

6. Variation of Latitude at the U. S. Naval Observatory, by F. B. Littell. (No. 844–845.)
7. Occultations by the Moon, 1924–25, by Asaph Hall, Ernest Clare Bower, and John Edwin Willis. (No. 849.)
8. Observations of 1924 C (Finsler), by Ernest Clare Bower. (No. 849.)
9. Eclipse of Sun, January 24, 1925, by Capt. E. T. Pollock, U. S. N. (No. 849.)
10. Observations of the Moon, by H. R. Morgan. (No. 850.)

Other contributions—

Studying the Eclipse from the *Los Angeles*, by Capt. Edwin T. Pollock, U. S. N. in McClure's Magazine, June, 1925.

The New System of Fundamental Star Places of the American Nautical Almanac Office, by W. S. Eichelberger, in the Astronomische Nachrichten, March 7, 1925.

On Provisional Designations of Asteroids, by Ernest Clare Bower, in the Astronomische Nachrichten, Bd. 223, p. 150.

Shadow Pictures of Waves in the Atmosphere, by John E. Willis, in Popular Astronomy, June–July, 1925.

The following papers were read before scientific societies:

American Astronomical Society, August, 1924:
- Precession and Solar Motion, by W. S. Eichelberger.
- Mass of Saturn's System from Observations in pairs of Satellites, by Asaph Hall.
- Deductions Regarding Recent Sun-spot Minimum, from Observations with the Photoheliograph of the U. S. Naval Observatory, by George H. Peters.

American Astronomical Society, January, 1925:
- Total Solar Eclipse, 24 January, 1925, from the U. S. Navy Airship *Los Angeles*, by F. B. Littell.
- Recent Results of Time Determinations of the U. S. Naval Observatory, by J. C. Hammond.
- Some Results Obtained with the Prime Vertical Transit Instrument, by George A. Hill.
- The Naval Observatory Eclipse Expedition, January 24, 1925; Plans for Observing the Solar Surroundings at Sea from the U. S. S. *Los Angeles*, by George H. Peters.
- Improvements in Time Distribution, by Paul Sollenberger.
- A New Temperature Recorder, by C. B. Watts.

Section of Geodesy, American Geophysical Union: The National Time Services of the World, by John C. Hammond.

BUILDINGS, GROUNDS, AND ROADS

The buildings and grounds were maintained in good condition by the daily work of the Naval Observatory force, and the following, in addition to other smaller, necessary expenditures:

Purchase of new Ideal motor lawn mower from the Ideal Power Lawn Mower Co., August 6, cost, $1,235, to replace a Coldwell Model D motor lawn mower, worn out after 15 years of service.

Overhaul of Coldwell Model J motor lawn mower to put it in good running order. Award made to J. V. Hutchins & Co. September 4; cost, $292.

Repairs to metal work on outside shutters of 12-inch equatorial dome on main building to put the same in first-class condition. Award made to Muller & De Jarnette September 22; cost $135.

Repairing and repapering rooms in astronomers' quarters. Award made to William H. Coon September 26; cost, $105.

Purchase of 540 feet of 4-inch and 60 feet of 3-inch extra heavy cast iron water main, from Thomas Somerville Co., September 26 and October 7, to replace old 3 and 2-inch water mains in heating

system, which had become in unsafe condition after many years of service.

Excavation of ditches preparatory to laying of water mains. Award made to the Warren F. Brenizer Co. October 4; cost, $475. The mains were laid by the Naval Observatory force and calked by the Naval Observatory force with the assistance of one of the Brenizer Co.'s employees at an extra cost of $21.60.

Repairs to foreman's quarters, including replacement of old wooden shingles with a new asphalt slate shingle roof, furnishing and installation of all new copper valleys and necessary flashing, waterproofing of all hanging gutters, painting of gutters and spout and replacement of same where worn out, and installation of new tin roof on rear porch and painting of same. Award made to William G. Carrico April 10; cost, $450.

Repairs to elevator tank in basement of main building, including welding patches on the inside and building up on the outside. Award made to G. W. Forsberg April 24; cost, $150.

Purchase of a new one-horse lawn mower, Philadelphia Eagle, from the Philadelphia Lawn Mower Co., June 1, to replace an old one-horse mower worn out after many years of service; cost, $125.

The Naval Observatory's fire plugs and fire-plug connections were tapped and rethreaded to conform to the requirement of the District fire department that all fire plugs and fire-plug connections in the District of Columbia should have national standard threads.

Owing to the shortage of labor, due to the limitation in the appropriation for cleaning and upkeep of grounds and roads since the fiscal year 1922 to amounts allowing the employment of only four laborers instead of six, as formerly, it has not been possible to devote as much attention to the care of the roads as formerly. In consequence the roads can be said to be only in fair condition.

EDWIN T. POLLOCK.

Approved.

W. R. SHOEMAKER,
Chief of Bureau of Navigation.

TABLE I.—*Data of trial of new chronometers at the United States*

[The signs are astronomical, + losing; − gaining. Data of

Order of merit	Chronometer	Kind	Trial number	Balance, hairspring	Point of compensation: Temperature	Point of compensation: Rate	Point of compensation: Temperature constant	Mean daily rates: Special temperatures: Jan. 5 to 12	Jan. 14 to 21	Jan. 23 to 30	Feb. 1 to 8
Temperature								90.0	85.0	70.0	55.0
	Balance: o=ordinary. v=invar. Hairspring: p=palladium. s=steel.										
					°	s		s	s	s	s
1	Nardin 1960	M. T. S.	4.08	v. s.	78.7	−0.22	−0.00084	−0.61	−0.40	−0.27	−0.69
2	Kurtz 143	M. T. S.	4.56	v. s.	70.5	−2.92	+0.00033	−2.57	−2.64	−3.07	−2.64
3	Jensen 76	M. T. S.	4.63	v. s.	72.8	+0.15	+0.00100	+0.33	+0.36	+0.37	+0.40
4	Jensen 74	M. T. S.	5.16	v. s.	69.6	+0.26	+0.00076	+0.57	+0.16	+0.23	+0.51
5	Nardin 1976	M. T. S.	5.46	v. s.	107.5	−0.58	−0.00009	−1.01	−0.84	−0.89	−0.79
6	Nardin 2039	M. T. S.	5.46	v. s.	216.3	−1.52	−0.00009	−3.14	−3.00	−3.33	−3.89
7	Nardin 1942	M. T. S.	6.99	v. s.	48.7	−0.07	+0.00056	+0.71	+0.51	+0.03	−0.16
8	Kurtz 142	M. T. S.	7.05	v. s.	55.4	+2.87	+0.00042	+3.07	+3.31	+3.01	+2.93
9	Jensen 75	M. T. S.	8.02	v. s.	85.0	−0.54	+0.00062	−0.46	−0.61	−0.50	−0.17
10	Nardin 2067	M. T. S.	8.14	v. s.	118.4	−1.74	−0.00024	−1.54	−1.79	−2.27	−2.70
11	Nardin 2072	M. T. S.	8.58	v. s.	71.6	−0.99	+0.00051	−1.11	−0.96	−0.84	−0.47
12	Nardin 2058	M. T. S.	9.48	v. s.	56.7	+0.06	+0.00102	+0.70	+0.67	+0.41	−0.03
13	Kurtz 146	M. T. S.	9.88	v. s.	70.4	−2.53	−0.00080	−3.29	−2.70	−2.43	−2.70
14	Kurtz 111	M. T. S.	10.61	v. s.	30.0	+0.13	+0.00027	+1.36	+1.04	+0.70	+0.50
15	Nardin 2065	M. T. S.	11.33	v. s.	65.5	−0.28	+0.00022	−0.20	−0.17	−0.21	−0.33
16	Nardin 2074	M. T. S.	11.94	v. s.	80.3	+0.06	−0.00071	−0.67	+0.09	+0.29	−0.33
17	Nardin 2075	M. T. S.	13.23	v. s.	81.8	−0.16	−0.00016	−0.96	−0.47	−0.29	−0.30
18	Nardin 2073	M. T. S.	15.59	v. s.	63.0	−1.36	+0.00067	−0.90	−1.06	−1.09	−1.10
19	Nardin 2059	M. T. S.	15.78	v. s.	36.6	−2.05	+0.00064	−0.50	−0.30	−0.97	−1.70
20	Nardin 2066	M. T. S.	15.91	v. s	48.2	−0.83	+0.00049	+0.13	+0.07	−0.51	−0.73
21	Kurtz 140	M. T. S.	16.87	v. s.	55.2	−2.80	+0.00138	−1.40	−1.99	−2.57	−3.11
22	Nardin 1944	M. T. S.	17.09	v. s.	68.6	−0.05	+0.00093	−0.29	−0.29	−0.26	−0.13
23	Kurtz 144	M. T. S.	17.64	v. s.	60.6	+4.30	+0.00053	+5.07	+4.63	+4.10	+4.40
24	Kurtz 145	M. T. S.	18.50	v. s.	129.4	−1.24	−0.00058	−1.44	−2.29	−3.13	−4.36
25	Nardin 2063	M. T. S.	24.45	v. s.	265.0	+2.11	−0.00009	−0.50	−0.56	−1.04	−1.63

Naval Observatory, Washington, D. C., January 5, 1925, to June 13, 1925

chronometers with trial number greater than 25.00 omitted]

Mean daily rates—Continued															
Special temperatures—Continued						Ordinary temperatures									
50.0	50.0	55.0	70.0	85.0	90.0	66.7	68.6	69.9	71.5	70.7	71.5	71.4	72.0	73.0	78.9
Feb. 12 to 19	Feb. 19 to 26	Feb. 28 to Mar. 7	Mar. 9 to 16	Mar. 18 to 25	Mar. 26 to Apr. 2	Apr. 4 to 11	Apr. 11 to 18	Apr. 18 to 25	Apr. 25 to May 2	May 2 to 9	May 9 to 16	May 16 to 23	May 23 to 30	May 30 to June 6	June 6 to 13
s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
−0.81	−0.74	−0.69	−0.29	−0.10	−0.33	−0.11	−0.11	−0.10	−0.10	−0.01	+0.09	−0.06	−0.06	−0.03	+0.10
−2.89	−2.74	−3.03	−2.77	−3.06	−3.01	−3.06	−2.74	−2.99	−2.81	−2.80	−2.94	−2.87	−2.77	−2.73	−2.89
+0.40	+0.46	+0.54	−0.06	+0.24	+0.49	+0.63	+0.34	+0.36	+0.27	+0.30	+0.39	+0.39	+0.44	+0.43	+0.47
+0.53	+0.50	+0.33	+0.29	+0.73	+1.00	+0.90	+0.86	+0.87	+0.81	+0.91	+1.03	+1.01	+1.06	+1.09	+1.21
−0.96	−0.89	−0.86	−0.51	−0.40	−0.93	−0.46	−0.29	−0.33	−0.56	−0.37	−0.33	−0.41	−0.41	−0.37	−0.13
−3.83	−3.84	−3.86	−3.51	−3.10	−3.21	−3.66	−3.70	−3.66	−3.77	−3.83	−3.79	−3.86	−3.86	−3.74	−3.54
−0.07	+0.06	+0.06	+0.33	+0.80	+0.99	+0.33	+0.44	+0.63	+0.57	+0.93	+0.61	+0.66	+0.76	+0.60	+0.71
+2.94	+2.84	+2.81	+2.91	+3.17	+3.34	+2.74	+2.79	+3.00	+3.11	+3.20	+3.26	+3.27	+3.44	+3.31	+3.57
+0.27	+0.36	+0.21	−0.29	−0.46	−0.21	+0.10	+0.09	+0.14	+0.01	+0.16	+0.24	+0.21	+0.33	+0.43	+0.46
−2.69	−2.47	−2.76	−2.36	−2.24	−2.26	−2.29	−2.07	−1.86	−1.96	−2.10	−2.19	−2.10	−2.16	−2.20	−2.06
−0.93	−1.14	−1.23	−1.14	−0.84	−0.64	−0.37	−0.34	−0.33	−0.40	−0.31	−0.41	−0.51	−0.56	−0.49	−0.79
+0.01	−0.14	+0.16	+0.07	+1.09	+1.43	+0.56	+0.63	+0.93	+0.71	+0.76	+0.77	+0.61	+0.83	+0.63	+0.97
−2.60	−2.26	−2.73	−2.63	−2.71	−3.01	−2.43	−2.69	−2.41	−2.93	−2.84	−3.03	−3.00	−3.00	−3.07	−3.14
+0.46	+0.19	+0.10	+0.43	+0.83	+0.96	+0.53	+0.61	+0.83	+0.81	+1.31	+1.09	+0.91	+0.66	+0.70	+0.70
−0.50	−0.77	−0.20	−0.36	−0.24	−0.73	−0.56	−0.34	−0.43	−0.77	−0.36	−0.11	+0.19	−0.57	−0.31	−0.70
−0.09	−0.26	−0.47	−0.34	−0.01	+0.24	+0.61	+0.74	+0.77	+0.53	+0.51	+0.33	+0.34	+0.37	+0.50	+0.60
−0.34	−0.31	−0.24	−0.07	+0.14	+0.20	+0.67	+0.49	+0.61	+0.64	+0.97	+1.13	+1.10	+1.23	+1.03	+1.19
−1.79	−1.81	−1.53	−1.57	−1.01	−0.77	−0.81	−1.10	−1.19	−1.41	−1.54	−1.47	−1.71	−1.57	−1.56	−1.60
−1.77	−1.87	−1.96	−1.69	−0.79	−0.79	−1.61	−1.67	−1.64	−1.60	−1.49	−1.43	−1.31	−1.33	−1.73	−1.34
−0.81	−0.96	−0.90	−0.71	−0.43	−0.67	−0.64	−0.83	−0.86	−1.21	−1.06	−1.33	−1.36	−1.26	−1.10	−1.36
−2.61	−2.39	−2.50	−2.44	−1.16	−1.24	−2.57	−2.51	−2.11	−2.06	−2.20	−2.24	−2.26	−2.21	−2.24	−1.97
+0.36	+0.33	+0.37	+0.16	+0.70	+0.69	+0.84	+0.67	+0.57	+0.67	+0.81	+0.84	+0.53	+0.63	+0.54	+0.26
+4.30	+4.30	+4.24	+4.60	+4.60	+4.97	+4.11	+4.49	+4.73	+4.86	+4.76	+5.00	+5.10	+5.29	+5.30	+5.53
−4.57	−4.71	−4.53	−3.43	−2.46	−2.26	−3.49	−3.07	−3.40	−3.43	−3.10	−3.07	−3.40	−3.44	−2.31	−3.11
−1.90	−1.79	−1.96	−1.49	−0.97	−0.69	−1.21	−1.44	−1.20	−0.96	−0.94	−0.70	−0.36	−0.11	−0.07	−0.73

TABLE II.—*Data of trial of old chronometers at the United States Naval*

[The signs are astronomical, + losing; − gaining. Data of

Order of merit	Chronometer	Kind	Trial number	Balance, hairspring	Point of compensation: Temperature	Point of compensation: Rate	Point of compensation: Temperature constant	Mean daily rates: Special temperatures: 90.0	85.0	70.0	55.0
	Temperature----degrees F--							Jan. 5 to 12	Jan. 14 to 21	Jan. 23 to 30	Feb. 1 to 8
	Balance: c=ordinary. v=invar. a=auxiliary. Hairspring: p=palladium. s=steel.				°	s		s	s	s	s
1	Bliss----3131	M. T. S.	3.36	o. p.	96.8	−0.75	+0.00031	−0.69	−0.73	−0.64	−0.30
2	Negus----2200	M. T. S.	5.63	o. p.	159.0	−1.46	+0.00016	−0.41	−0.56	−0.19	+0.29
3	Bliss----3141	M. T. S.	6.32	o. p.	52.8	−1.95	+0.00069	−1.13	−1.09	−1.67	−1.91
4	Lange----26	M. T. S.	6.37	v. s.	87.5	+1.30	−0.00013	+1.37	+1.26	+1.34	+1.13
5	Negus----1980	M. T. S.	6.37	o. p.	−83.9	−3.46	+0.00009	−0.44	−1.00	−1.41	−1.79
6	Nardin----713	M. T. S.	6.52	v. s.	65.6	−1.42	+0.00087	−0.87	−0.99	−1.50	−1.34
7	Bliss----3116	M. T. S.	6.55	v. s.	45.0	+4.83	−0.00053	+4.03	+4.00	+4.71	+4.70
8	Negus----2162	M. T. S.	6.55	o. p.	32.5	+0.70	−0.00031	−0.29	−0.20	+0.27	+0.31
9	Johannsen----4647	M. T. S.	6.61	a. s.	392.5	+5.48	−0.00004	+1.16	+1.20	+0.71	+0.46
10	Negus----1776	M. T. S.	7.79	o. s.	70.8	+0.53	−0.00104	+0.81	+0.39	+0.46	+0.07
11	Mercer----10190	M. T. S.	8.50	o. s.	83.4	+0.08	−0.00084	−0.26	+0.21	−0.01	−0.66
12	Negus----2141	M. T. S.	8.64	o. s.	135.3	+0.59	−0.00031	+0.03	−0.23	−0.43	−1.47
13	Negus----1765	M. T. S.	8.67	o. s.	64.8	+1.54	+0.00220	+2.90	+2.40	+1.64	+1.77
14	Knoblich----2557	M. T. S.	9.50	o. p.	100.6	+3.46	+0.00058	+3.54	+3.51	+3.79	+4.47
15	Nieberg----395	M. T. S.	10.23	------	73.0	+1.84	+0.00251	+2.51	+2.23	+1.80	+2.66
16	Diedrich----46	M. T. S.	10.45	o. s.	242.5	−3.20	+0.00004	−2.04	−2.27	−2.24	−1.79
17	Bond----572	M. T. S.	10.64	o. s.	75.0	+0.18	+0.00242	+0.60	+0.44	+0.11	+1.14
18	Crisp----3021	M. T. S.	10.67	o. s.	68.6	+3.53	+0.00224	+4.31	+4.16	+3.56	+3.99
19	Bond----385	M. T. S.	10.88	o. s.	73.3	+2.09	+0.00240	+2.56	+2.54	+2.00	+2.83
20	Negus----1565	Sidereal	11.10	o. s.	68.4	+0.94	+0.00287	+2.21	+1.69	+0.93	+1.41
21	Negus----1636	M. T. S.	11.34	o. s.	66.8	−0.16	+0.00218	+1.10	+0.56	−0.44	−0.07
22	Negus----1764	M.T.B.C.	11.50	o. s.	70.2	−3.11	+0.00316	−1.90	−2.47	−3.20	−2.54
23	Negus----2027	M. T. S.	11.51	o. s.	75.6	−3.34	+0.00191	−3.19	−3.43	−3.33	−2.66
24	Nardin----648	M. T. S.	11.99	v. s.	62.1	−0.83	+0.00082	−0.43	−0.54	−0.96	−0.91
25	Negus----2063	M. T. S.	12.00	o. s.	54.3	+0.23	+0.00158	+2.16	+1.60	+0.67	+0.33
26	Bond----565	M. T. S.	12.84	o. s.	72.9	+0.48	+0.00289	+1.27	+0.96	+0.66	+1.33
27	Negus----1273	M. T. S.	13.00	o. s.	54.0	−0.25	+0.00164	+1.86	+1.29	+0.13	−0.30
28	Cassercs----870	M. T. S.	13.51	------	79.4	+0.01	+0.00069	+0.13	−0.27	−0.20	+0.21
29	Johannsen----4676	M. T. S.	13.82	o. s.	37.5	+0.35	−0.00007	−0.11	+0.27	+0.43	+0.39
30	Negus----1265	M. T. S.	13.87	o. s.	67.3	+1.53	+0.00280	+2.89	+2.31	+1.40	+2.00
31	Negus----1801	M. T. S.	14.20	o. s.	66.6	−1.05	+0.00273	+0.31	+0.10	−0.99	−0.69
32	Bliss----3154	M. T. S.	14.49	o. p.	81.8	−0.25	+0.00062	−0.30	−0.43	−0.53	−0.20
33	Bliss----3072	M. T. S.	14.69	o. s.	68.7	−0.17	+0.00276	+1.17	+0.67	+0.03	+0.39
34	Johannsen----4934	M. T. S.	14.72	o. s.	927.5	+17.64	+0.00002	+0.11	−0.56	−1.24	−2.06
35	Ehrlich----797	M. T. S.	15.14	o. s.	63.2	−0.93	+0.00273	+1.30	+0.37	−0.76	−0.93
36	Bliss----3162	M. T. S.	15.31	o. p.	73.8	−0.27	+0.00151	+0.18	−0.24	−0.63	−0.04
37	Johannsen----4746	M. T. S.	15.35	a. s.	62.8	+0.62	+0.00131	+1.30	+0.94	+0.44	+0.66
38	Negus----1074	Sidereal	15.78	o. s.	64.4	−2.21	+0.00087	−1.71	−1.56	−1.80	−2.17
39	Bond----307	M. T. S.	15.96	o. s.	69.4	−0.02	+0.00309	+1.01	+0.86	+0.23	+0.53
40	Bliss----2859	M. T. S.	16.15	o. s.	63.7	+0.38	+0.00162	+2.04	+1.29	+0.46	+0.54
41	Bliss----3090	M. T. S.	16.33	v. s.	287.5	−3.65	+0.00007	−0.64	−0.54	−0.09	−0.09
42	Negus----2198	M. T. S.	16.49	o. p.	∞	∞	0.00000	−5.11	−4.99	−4.57	−4.20
43	Negus----2019	M. T. S.	16.70	o. p.	66.4	+0.12	+0.00311	+1.61	+1.00	+0.20	+0.67
44	Negus----2064	M. T. S.	16.71	o. s.	165.2	+6.72	−0.00058	+3.43	+2.94	+1.53	−0.37
45	Desilva----1081	M. T. S.	16.78	------	68.9	−0.55	+0.00311	+0.96	+0.11	−0.81	−0.10
46	Heinrich----1016	M. T. S.	16.81	o. s.	73.9	−2.42	+0.00307	−1.76	−1.91	−2.31	−1.46
47	Negus----1298	M. T. S.	16.82	o. s.	59.7	+1.54	+0.00164	+2.94	+2.64	+2.04	+1.74
48	Barraud----1942	M. T. S.	16.99	o. s.	67.6	−0.45	+0.00198	+0.97	+0.34	+0.04	−0.04
49	Hutton----335	M. T. S.	17.22	o. s.	71.5	−0.48	+0.00100	−0.20	−0.20	−0.36	−0.06
50	Bond----1026	M. T. S.	17.38	o. s.	73.8	+4.23	+0.00311	+4.39	+4.53	+4.36	+5.21
51	Bond----339	M. T. S.	18.42	o. s.	64.2	+1.28	+0.00260	+3.09	+2.59	+1.57	+1.57
52	Bond----592	M. T. S.	18.50	o. s.	73.6	+1.02	+0.00322	+1.77	+1.50	+1.24	+2.33
53	Jensen----103	M. T. S.	18.68	------	63.8	−1.28	+0.00053	−0.52	−1.37	−1.70	−1.50
54	Bond----1018	M. T. S.	18.96	o. s.	64.5	−2.48	+0.00264	−0.84	−1.24	−2.10	−2.09
55	Negus----1128	M. T. S.	19.29	o. s.	237.3	−8.01	+0.00029	−1.73	−1.19	+0.21	+1.81
56	Negus----2250	M. T. S.	19.31	o. p.	78.2	−0.06	+0.00093	−0.33	−0.47	−0.50	+0.11
57	Bliss----2917	M. T. S.	20.03	o. s.	65.1	+0.73	+0.00342	+2.79	+1.93	+0.71	+0.89
58	Riggs----5638	M. T. S.	21.12	o. s.	63.5	+0.08	+0.00160	+0.99	+0.94	+0.43	+0.61
59	Negus----772	M. T. S.	21.42	o. s.	61.6	+2.38	+0.00222	+4.23	+3.77	+2.86	+2.36
60	Bliss----3132	M. T. S.	21.81	o. p.	65.1	−1.11	+0.00064	−0.83	−1.11	−1.71	−1.43
61	Johannsen----4739	M. T. S.	22.30	------	92.2	−0.69	+0.00100	−0.50	−0.69	−0.14	+0.31
62	Bliss----3079	M. T. S.	22.68	o. s.	78.2	+1.25	+0.00318	+2.07	+1.53	+1.24	+2.94
63	Knoblich----2011	M. T. S.	22.78	o. p.	83.3	−2.46	+0.00251	−2.23	−2.29	−2.00	−0.51
64	Negus----1226	M.T.B.C.	22.80	o. s.	70.2	+1.94	+0.00296	+3.14	+2.29	+1.53	+2.43
65	Negus----1768	M. T. S.	23.07	o. s.	62.9	−0.59	+0.00307	+1.67	+1.11	−0.31	−0.36

Observatory, Washington, D. C., January 5, 1925, to June 13, 1925

chronometers with trial number greater than 35.00 omitted]

Mean daily rates—Continued															
Special temperatures—Continued						Ordinary temperatures									
50.0	50.0	55.0	70.0	85.0	90.0	66.7	68.6	69.9	71.5	70.7	71.5	71.4	72.0	73.0	78.9
Feb. 12 to 19	Feb. 19 to 26	Feb. 28 to Mar. 7	Mar. 9 to 16	Mar. 18 to 25	Mar. 26 to Apr. 2	Apr. 4 to 11	Apr. 11 to 18	Apr. 18 to 25	Apr. 25 to May 2	May 2 to 9	May 9 to 16	May 16 to 23	May 23 to 30	May 30 to June 6	June 6 to 13
s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
−0.09	+0.06	−0.14	−0.44	−0.71	−0.99	−0.50	−0.56	−0.60	−0.56	−0.54	−0.57	−0.50	−0.50	−0.49	−0.53
+0.29	+0.40	+0.17	−0.24	−0.64	−1.03	−0.79	−0.89	−0.96	−1.10	−1.20	−1.20	−1.16	−1.17	−1.07	−1.14
−2.03	−1.87	−1.99	−1.83	−1.40	−1.53	−2.61	−2.56	−2.56	−2.47	−2.44	−2.39	−2.39	−2.40	−2.21	−2.21
+1.33	+1.31	+1.19	+1.17	+1.33	+1.29	+1.86	+1.53	+1.46	+1.27	+1.27	+1.30	+1.24	+1.23	+1.09	+1.14
−1.77	−1.74	−1.71	−1.31	−0.87	−0.96	−1.77	−1.90	−1.77	−1.86	−1.94	−1.89	−1.99	−2.04	−2.09	−1.74
−1.14	−1.13	−1.31	−1.29	−1.19	−1.46	−1.89	−1.96	−1.93	−2.10	−2.44	−2.20	−2.16	−2.14	−2.00	−1.81
+4.97	+4.93	+4.87	+4.29	+3.96	+3.59	+4.03	+4.09	+4.26	+4.10	+4.10	+4.14	+4.13	+4.06	+4.01	+4.03
+0.70	+0.76	+0.77	+0.26	−0.13	−0.41	−0.04	+0.03	+0.07	+0.07	+0.16	+0.20	+0.04	−0.07	+0.07	+0.17
+0.10	+0.26	+0.37	+1.01	+1.36	+1.56	+0.53	+0.66	+0.79	+0.93	+0.86	+0.91	+0.73	+0.81	+1.03	+1.33
+0.47	+0.63	+0.47	+0.59	+0.26	+0.27	+0.30	+0.36	+0.10	+0.04	+0.13	+0.26	+0.21	+0.11	+0.14	+0.10
−0.77	−0.49	−0.54	−0.13	−0.04	−0.54	+0.13	−0.06	0.00	−0.11	−0.13	+0.03	−0.10	−0.20	−0.03	−0.14
−1.67	−1.63	−1.37	−1.06	−0.17	−0.03	−0.59	−0.67	−0.54	−0.63	−0.57	−0.56	−0.53	−0.59	−0.60	−0.26
+2.16	+2.04	+1.74	+1.56	+2.47	+3.06	+1.57	+1.51	+1.51	+1.51	+1.56	+1.71	+1.66	+1.70	+1.77	+2.14
+4.66	+4.80	+4.86	+4.21	+3.70	+3.67	+3.76	+3.94	+3.94	+3.90	+4.07	+4.09	+3.96	+3.93	+3.86	+3.74
+3.21	+3.00	+2.64	+1.91	+2.17	+2.26	+1.90	+2.00	+1.87	+1.99	+2.06	+2.16	+2.13	+2.13	+2.03	+2.20
−1.60	−1.47	−1.50	−1.53	−1.93	−2.34	−1.97	−1.67	−1.79	−1.70	−1.61	−1.59	−1.50	−1.56	−1.59	−1.39
+1.80	+1.84	+1.17	+0.36	+0.40	+0.91	+0.19	+0.23	+0.09	−0.07	0.00	+0.10	+0.03	+0.11	+0.29	+0.07
+4.46	+4.23	+3.90	+3.51	+4.11	+4.44	+3.44	+3.43	+3.64	+3.50	+3.51	+3.81	+3.63	+3.70	+3.70	+4.41
+3.14	+3.10	+2.96	+2.24	+2.31	+3.10	+2.30	+2.37	+2.29	+2.06	+2.09	+2.24	+2.10	+2.17	+2.31	+2.29
+2.23	+1.90	+1.51	+0.97	+1.77	+2.34	+1.17	+1.17	+0.94	+1.20	+1.11	+1.23	+1.17	+1.13	+1.27	+1.70
+0.51	+0.70	+0.34	+0.16	+0.57	+0.73	−0.21	−0.27	−0.33	−0.30	−0.13	−0.16	−0.36	−0.10	−0.16	+0.04
−1.93	−1.81	−2.23	−3.03	−2.37	−2.00	−3.16	−3.23	−3.26	−3.17	−3.19	−3.26	−3.10	−3.09	−3.23	−3.04
−1.81	−1.56	−2.40	−3.24	−2.91	−3.14	−2.99	−3.00	−2.93	−2.94	−2.99	−2.97	−3.14	−3.24	−3.09	−3.03
−0.39	−0.51	−0.67	−0.60	−0.26	−0.26	−1.46	−1.04	−0.93	−0.86	−0.81	−0.59	−0.44	−0.73	−0.47	−0.66
+0.09	−0.01	+0.13	+0.57	+1.84	+1.84	+0.40	+0.37	+0.51	+0.69	+0.66	+0.74	+0.83	+0.79	+0.84	+0.93
+1.94	+1.91	+1.46	+0.34	+0.83	+1.31	+0.67	+0.49	+0.50	+0.36	+0.37	+0.34	+0.27	+0.24	+0.23	+0.24
−0.14	−0.30	−0.20	+0.20	+1.37	+1.91	+0.19	+0.21	+0.19	+0.17	+0.20	+0.17	+0.10	−0.06	−0.03	+0.40
+0.64	+0.73	+0.63	+0.33	+0.33	+0.27	+0.17	+0.44	+0.63	+0.76	+0.73	+0.77	+0.74	+0.74	+0.53	+0.13
+0.30	+0.27	+0.24	−0.20	−0.49	−0.67	−0.33	−0.47	−0.24	−0.46	−0.30	−0.11	−0.16	−0.23	−0.17	+0.11
+1.96	+1.96	+1.91	+1.71	+2.51	+3.20	+1.94	+1.66	+1.77	+1.63	+1.57	+1.71	+1.71	+1.79	+1.57	+2.10
−0.14	−0.24	−0.67	−1.04	−0.36	+0.41	−0.81	−1.11	−1.14	−1.41	−1.21	−1.06	−1.24	−1.01	−0.89	−0.74
+0.49	+0.71	+0.60	+0.21	−0.04	−0.46	−0.47	−0.30	−0.14	−0.14	−0.09	−0.21	−0.21	−0.16	−0.13	−0.03
+0.84	+0.70	+0.29	−0.37	+0.46	+0.91	−0.23	−0.27	−0.23	−0.41	−0.50	−0.64	−0.54	−0.73	−0.47	−0.61
−2.33	−2.37	−2.07	−1.57	−0.90	−1.07	−2.40	−2.16	−2.13	−1.84	−1.79	−1.63	−1.67	−1.74	−1.67	−1.14
−0.21	−0.13	−0.56	−0.83	+0.37	+1.19	−0.91	−0.94	−0.97	−1.03	−1.06	−0.96	−1.03	−0.96	−0.91	−0.30
+0.73	+0.94	+0.57	+0.13	+0.09	−0.04	−0.50	−0.21	−0.13	−0.13	−0.13	+0.06	−0.04	−0.03	+0.10	+0.10
+1.57	+0.80	+0.74	+0.94	+1.60	+1.57	+0.87	+0.97	+0.90	+1.04	+1.03	+1.33	+1.34	+1.41	+1.53	+1.47
−1.86	−1.94	−2.09	−2.57	−2.11	−1.41	−1.94	−2.07	−2.10	−2.04	−2.37	−2.54	−2.44	−2.39	−2.44	−2.69
+0.99	+1.23	+0.71	−0.26	+0.61	+1.29	+0.46	+0.26	+0.19	−0.10	+0.09	+0.09	−0.14	+0.21	−0.10	+0.46
+1.33	+1.63	+0.46	+0.43	+0.93	+1.64	+0.56	+0.34	+0.47	+0.24	+0.30	+0.21	+0.24	+0.31	+0.09	+0.49
−0.03	+0.26	−0.01	−0.91	−1.31	−1.54	−0.57	−0.94	−1.04	−1.00	−0.81	−0.61	−0.79	−0.73	−0.94	−1.00
−3.53	−3.01	−3.79	−4.36	−4.86	−4.99	−4.30	−4.00	−4.31	−4.31	−4.80	−4.49	−4.60	−5.17	−4.76	−5.07
+0.79	+0.76	+0.37	+0.13	+1.40	+1.83	+0.53	+0.54	+0.54	+0.37	+0.39	+0.46	+0.34	+0.31	+0.40	+0.59
−0.61	−0.79	−0.23	+1.44	+3.06	+3.16	+0.96	+1.17	+1.41	+1.56	+1.41	+1.60	+1.33	+1.39	+1.53	+2.01
+0.33	+0.10	+0.17	−0.29	+0.40	+1.00	−0.43	−0.36	−0.46	−0.39	−0.20	−0.04	−0.17	−0.07	−0.10	+0.16
−0.53	−0.53	−1.19	−2.43	−2.17	−1.60	−2.14	−2.24	−2.46	−2.26	−2.51	−2.56	−2.44	−2.31	−2.20	−1.87
+1.03	+1.23	+1.43	+1.41	+2.56	+3.49	+2.46	+2.13	+2.01	+2.01	+2.00	+2.19	+2.20	+2.33	+2.29	+2.61
+0.37	+0.56	−0.23	−0.93	−0.04	+0.71	−0.51	−0.77	−0.77	−0.81	−0.99	−0.90	−0.94	−1.01	−0.73	−0.67
−0.07	−0.37	−0.36	−0.61	−0.41	−0.11	−0.04	−0.17	−0.39	−0.44	−0.67	−0.91	−0.91	−0.74	−1.21	−1.10
+6.03	+6.11	+5.43	+4.19	+4.70	+5.39	+4.77	+4.61	+4.86	+4.66	+4.69	+4.86	+4.89	+4.54	+4.56	+4.80
+1.50	+1.46	+1.44	+1.17	+2.23	+2.89	+1.40	+1.36	+1.26	+1.10	+1.17	+1.11	+0.99	+1.01	+1.01	+1.23
+3.09	+2.76	+1.93	+0.89	+1.39	+2.13	+1.57	+1.03	+1.03	+0.86	+1.06	+1.31	+1.17	+1.16	+1.20	+1.14
−1.29	−1.17	−0.99	−0.83	−0.71	−0.67	−1.41	−1.16	−1.03	−0.97	−0.81	−0.61	−0.64	−0.67	−0.61	−0.47
−2.03	−2.07	−2.39	−2.71	−1.50	−0.69	−2.04	−2.23	−2.53	−2.51	−2.60	−2.60	−2.57	−2.49	−2.49	−2.16
+2.30	+1.86	+1.29	−0.14	−1.49	−1.84	+0.64	+0.26	+0.04	−0.29	−0.27	−0.34	−0.36	−0.39	−0.57	−1.04
+0.56	+0.76	+0.76	+0.49	+0.44	+0.17	+0.20	−0.03	+0.11	−0.03	+0.09	+0.01	0.00	+0.01	+0.11	−0.13
+1.40	+1.46	+1.26	+0.91	+2.23	+2.90	+0.99	+0.94	+0.89	+0.76	+0.94	+0.94	+0.86	+0.64	+0.80	+1.24
+0.64	+0.37	−0.21	−0.13	+0.69	+2.03	+0.36	+0.31	+0.19	−0.01	+0.09	−0.11	+0.14	+0.29	+0.03	+0.94
+2.77	+2.49	+2.61	+2.21	+3.44	+3.81	+2.76	+2.63	+2.29	+2.29	+2.66	+2.56	+2.49	+2.24	+2.29	+2.49
−1.20	−0.90	−0.66	−0.47	−0.59	−0.76	−1.21	−1.17	−1.16	−1.03	−1.13	−0.94	−0.96	−0.93	−0.71	−0.43
+0.87	+1.26	+1.07	−0.26	−0.60	−0.90	−0.10	+0.20	+0.13	−0.49	−0.91	0.00	−0.50	−0.37	−0.31	−1.07
+3.50	+3.71	+2.99	+1.67	+1.24	+1.57	+1.66	+1.84	+1.77	+1.64	+1.84	+1.86	+1.64	+1.57	+1.69	+1.93
+0.47	+0.24	−0.39	−2.03	−2.63	−2.67	−2.06	−2.46	−2.69	−2.21	−2.81	−2.91	−3.03	−2.99	−2.90	−3.31
+2.99	+2.81	+2.81	+2.34	+2.89	+3.04	+1.36	+1.53	+1.69	+1.61	+1.49	+1.70	+1.63	+1.79	+1.71	+2.16
+0.29	−0.03	−0.43	−0.57	+0.70	+0.70	−1.01	−0.90	−0.80	−0.60	−0.63	−0.51	−0.70	−0.54	−0.87	−0.31

TABLE II.—*Data of trial of old chronometers at the United States Naval*

[The signs are astronomical, + losing; − gaining. Data of

Order of merit	Chronometer	Kind	Trial number	Balance, hairspring	Point of compensation: Temperature	Point of compensation: Rate	Point of compensation: Temperature constant	Mean daily rates: Special temperatures: 90.0 (Jan. 5 to 12)	85.0 (Jan. 14 to 21)	70.0 (Jan. 23 to 30)	55.0 (Feb. 1 to 8)
Temperature—degree F.								90.0	85.0	70.0	55.0
	Balance: o=ordinary. v=invar. a=auxiliary. Hairspring: p=palladium. s=steel.										
					°	s		s	s	s	s
66	Riggs 5668	M. T. S.	23.23	o. s.	69.8	+1.04	+0.00327	+1.74	+1.81	+1.21	+1.71
67	Negus 2242	M. T. S.	23.58	o. p.	144.1	+3.66	−0.00036	+2.64	+2.84	+2.13	+1.14
68	Negus 2202	M. T. S.	23.90	o. p.	90.0	−0.71	+0.00133	−0.60	−0.97	−0.61	+0.53
69	Bliss 2912	M. T. S.	23.98	o. s.	76.8	+1.20	+0.00302	+1.44	+1.26	+1.36	+2.99
70	Negus 1094	M. T. S.	24.09	o. s.	72.9	−0.40	+0.00311	+0.46	+0.17	−0.14	+0.66
71	Riggs 4614	M. T. S.	24.44	o. s.	74.8	−1.53	+0.00207	−0.99	−1.33	−1.30	−0.86
72	Bliss 3043	M. T. S.	24.93	o. s.	63.0	−0.85	−0.00158	−2.26	−2.03	−0.89	−1.20
73	Bliss 2938	M. T. S.	25.10	o. s.	60.7	−0.68	+0.00364	+2.37	+1.31	−0.24	−0.54
74	Crisp 2894	M. T. S.	25.11	------	81.6	+2.26	+0.00351	+2.63	+2.19	+2.61	+4.74
75	Negus 1642	M. T. S.	25.26	o. s.	71.6	+0.25	+0.00367	+1.64	+1.19	+0.43	+1.66
76	Sewill 4030	M. T. S.	25.48	o. s.	73.2	−0.43	+0.00280	+0.17	−0.33	−0.71	+0.90
77	Ehrlich 767	M. T. S.	25.52	o. s.	68.1	+0.61	+0.00296	+1.94	+1.29	+0.49	+0.64
78	Negus 2087	M. T. S.	25.98	o. s.	73.2	−0.54	+0.00382	+0.66	−0.06	−0.80	+0.79
79	Bliss 3030	M. T. S.	26.17	o. s.	81.2	−3.38	+0.00262	−2.90	−3.61	−3.54	−1.63
80	Negus 1773	M. T. S.	26.44	o. s.	78.8	−0.40	+0.00080	+0.09	−0.07	+0.14	+0.43
81	Negus 1902	Sidereal	26.76	o. s.	66.3	+0.18	+0.00282	+1.66	+1.04	0.00	+0.39
82	Negus 2125	M. T. S.	26.83	o. s.	84.5	−0.14	−0.00142	+0.26	−0.09	−0.64	−0.86
83	Bliss 2984	M. T. S.	29.02	o. p.	92.5	−3.39	+0.00069	−3.24	−3.63	−3.34	−2.59
84	Bond 457	M.T.B.C.	29.22	o. s.	85.8	+1.26	+0.00160	+1.20	+1.60	+1.89	+2.84
85	Bliss 3086	M. T. S.	29.61	o. s.	84.6	+4.17	+0.00207	+4.03	+4.14	+4.17	+5.47
86	Bond 587	M. T. S.	30.03	o. s.	72.1	−3.07	+0.00436	−1.36	−2.39	−3.20	−1.70
87	Norris 823	M. T. S.	30.63	o. s.	79.0	+0.16	+0.00351	+0.40	+0.43	+0.70	+2.27
88	Ehrlich 933	M. T. S.	30.92	o. s.	59.1	−0.34	+0.00207	+1.97	+1.26	+0.23	−0.36
89	Negus 1813	M. T. S.	31.02	o. s.	60.6	+2.29	+0.00302	+4.76	+4.20	+2.53	+2.31
90	Negus 2062	M. T. S.	32.35	o. s.	49.0	+1.19	+0.00209	+4.27	+4.10	+2.43	+1.26
91	Ehrlich 743	M. T. S.	32.51	o. s.	74.7	−2.52	+0.00409	−1.49	−1.94	−2.29	−0.99
92	Casseres 664	M. T. S.	33.46	------	63.4	−2.30	+0.00382	−0.29	−0.70	−1.76	−2.13
93	Bond 614	M. T. S.	33.87	o. s.	71.5	+6.20	+0.00331	+7.61	+7.13	+6.66	+7.33

TABLE III.—*Data of trial of old torpedo-boat watches at United States*

[The signs are astronomical, + losing; − gaining. Data of

Order of merit	Watch	Kind	Trial number	Balance, hairspring	Point of compensation: Temperature	Point of compensation: Rate	Point of compensation: Temperature constant	Mean daily rates: Special temperatures: 90.0 (Jan. 5 to 12)	85.0 (Jan. 14 to 21)	70.0 (Jan. 23 to 30)	55.0 (Feb. 1 to 8)
Temperature—degree F.								90.0	85.0	70.0	55.0
	Balance: o=ordinary. v=invar. Hairspring: p=palladium. s=steel.										
					°	s		s	s	s	s
1	Leroy 4104	T. B. W.	19.96	v. s.	105.0	+6.08	+0.00040	+6.61	+6.29	+6.57	+7.10
2	Longines 2059720	T. B. W.	20.69	v. s.	60.9	+2.11	+0.00253	+4.43	+3.79	+2.14	+2.21

[1] Watch stopped during this week.

Observatory, Washington, D. C., January 5, 1925, to June 13, 1925—Continued

chronometers with trial number greater than 35.00 omitted]

Mean daily rates—Continued															
Special temperatures—Continued						Ordinary temperatures									
50.0	50.0	55.0	70.0	85.0	90.0	66.7	68.6	69.9	71.5	70.7	71.5	71.4	72.0	73.0	78.9
Feb. 12 to 19	Feb. 19 to 26	Feb. 28 to Mar. 7	Mar. 9 to 16	Mar. 18 to 25	Mar. 26 to Apr. 2	Apr. 4 to 11	Apr. 11 to 18	Apr. 18 to 25	Apr. 25 to May 2	May 2 to 9	May 9 to 16	May 16 to 23	May 23 to 30	May 30 to June 6	June 6 to 13
s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
+2.21	+2.20	+1.80	+0.87	+1.77	+2.56	+1.96	+1.21	+1.31	+1.16	+0.94	+0.94	+0.81	+1.10	+0.90	+1.27
+0.10	+0.10	+0.53	+1.29	+2.01	+2.74	+1.76	+1.47	+1.60	+1.57	+1.64	+1.70	+1.47	+1.64	+1.61	+1.63
+1.31	+1.66	+1.31	+0.26	−0.40	−0.86	−0.27	+0.11	+0.19	+0.10	+0.01	+0.14	−0.04	−0.10	0.00	−0.24
+3.69	+3.46	+2.30	+1.31	+1.53	+1.71	+1.66	+1.34	+1.31	+1.14	+1.04	+1.03	+0.79	+0.73	+0.87	+0.86
+1.04	+0.87	+0.54	−0.60	−0.06	+0.63	+0.01	−0.34	−0.31	−0.70	−0.57	−0.74	−0.81	−0.84	−0.93	−1.10
−0.26	−0.21	−0.59	−1.67	−1.29	−0.86	−1.29	−1.46	−1.44	−1.41	−1.10	−0.69	−0.57	−0.81	−0.64	−1.69
−1.10	−1.07	−0.70	−0.96	−1.20	−2.19	−1.44	−1.76	−1.77	−2.09	−2.14	−2.23	−2.23	−2.59	−2.47	−3.06
−0.57	−0.49	−0.56	−0.49	+1.63	+2.01	−0.71	−0.64	−0.40	−0.51	−0.29	−0.46	−0.31	−0.26	−0.27	+0.41
+5.33	+5.49	+4.74	+2.86	+2.41	+2.34	+3.13	+3.00	+2.94	+2.74	+2.73	+2.63	+2.76	+2.67	+2.53	+2.53
+1.87	+1.89	+0.86	+0.09	+0.63	+1.14	+0.39	+0.26	+0.07	+0.34	+0.14	+0.33	+0.34	−0.07	−0.04	+0.26
+1.01	+1.37	+0.09	−0.10	+0.26	+0.20	−0.04	+0.29	−0.14	−0.50	−0.40	−0.29	0.00	−0.54	−0.23	+0.04
+2.16	+2.30	+1.61	+0.76	+1.61	+1.93	+0.64	+0.80	+0.70	+0.83	+0.74	+0.66	+0.51	+0.29	+0.33	+0.76
+1.31	+1.30	+0.67	−0.19	+0.04	+0.29	−0.26	−0.23	−0.14	−0.11	−0.10	+0.09	+0.13	+0.10	+0.30	+0.34
−0.89	−0.94	−1.54	−2.56	−3.07	−2.99	−3.39	−3.41	−3.39	−3.69	−3.37	−3.36	−3.23	−3.44	−3.29	−3.49
+0.20	+0.21	−0.33	−0.81	−0.67	−0.21	−0.86	−0.96	−0.83	−1.23	−1.10	−1.74	−1.86	−1.19	−0.97	−0.99
+1.16	+1.06	+0.71	+0.47	+1.33	+2.06	+0.46	+0.64	+0.41	+0.74	+0.71	+1.36	−0.03	+1.01	+1.14	+1.14
−0.86	−0.77	−1.89	−0.23	−0.20	−0.16	−1.11	−0.97	−0.87	−0.97	−1.07	−0.97	−0.79	−1.03	−0.81	−0.64
−2.00	−1.97	−2.24	−2.73	−3.07	−3.41	−2.97	−2.84	−3.41	−3.77	−4.00	−4.19	−3.83	−4.27	−4.03	−4.30
+3.51	+3.51	+2.71	+1.43	+0.93	+0.76	+0.96	+0.59	+0.31	+0.44	+0.43	+0.34	−0.13	−0.11	−0.41	−0.76
+6.76	+7.27	+6.49	+5.04	+4.20	+4.37	+4.74	+4.54	+4.36	+4.19	+4.41	+4.41	+4.33	+4.73	+4.67	+4.29
−1.14	−1.21	−1.90	−2.90	−2.30	−1.39	−2.73	−2.44	−2.79	−3.11	−3.03	−3.14	−2.94	−3.16	−2.66	−2.19
+2.83	+2.69	+2.10	+0.19	+0.14	+0.40	+0.73	+0.34	−0.17	−0.36	−0.34	−0.27	−0.44	−0.37	−0.39	−0.29
−0.16	+0.17	−0.26	−0.43	+0.83	+1.39	−0.16	−0.17	+0.23	+0.87	+0.91	+1.04	+0.91	+0.84	+1.09	+1.41
+2.60	+2.41	+2.44	+2.57	+3.96	+4.64	+2.94	+2.70	+2.36	+2.16	+2.30	+2.54	+2.36	+2.43	+2.04	+2.57
+0.76	+0.94	+1.26	+1.79	+3.70	+4.47	+2.01	+1.89	+1.86	+1.74	+1.97	+1.86	+1.71	+2.03	+1.73	+1.96
+0.07	+0.30	−0.87	−2.56	−2.24	−1.76	−2.19	−2.27	−2.47	−2.46	−2.54	−2.10	−2.26	−2.36	−1.97	−1.50
−1.89	−1.59	−1.93	−2.50	−0.33	+0.30	−1.81	−2.11	−1.96	−1.93	−2.13	−1.99	−2.04	−1.67	−1.36	−0.79
+7.64	+7.47	+6.86	+5.76	+6.49	+7.17	+6.70	+6.24	+6.20	+5.83	+6.10	+6.20	+5.87	+6.06	+5.76	+5.50

Naval Observatory, Washington, D. C., January 5, 1925 to June 13, 1925

watches with trial number greater than 35.00 omitted]

Mean daily rates—Continued															
Special temperatures—Continued						Ordinary temperatures									
50.0	50.0	55.0	70.0	85.0	90.0	66.7	68.7	69.9	71.5	70.7	71.5	71.4	72.0	73.0	78.9
Feb. 12 to 19	Feb. 19 to 26	Feb. 28 to Mar. 7	Mar. 9 to 16	Mar. 18 to 25	Mar. 26 to Apr. 2	Apr. 4 to 11	Apr. 11 to 18	Apr. 18 to 25	Apr. 25 to May 2	May 2 to 9	May 9 to 16	May 16 to 23	May 23 to 30	May 30 to June 6	June 6 to 13
s	s	s	s	s	s	s	s	s	s	s	s	s	s	s	s
+7.39	+7.37	+7.07	(1)	+6.19	+5.80	+6.16	+6.04	+6.03	+5.83	+5.74	+5.86	+5.96	+6.69	+6.91	+6.16
+2.23	+2.24	+2.19	+2.50	+3.37	+3.67	+3.00	+2.96	+2.81	+2.96	+2.54	+2.79	+2.70	+2.94	+3.04	+3.86

REPORT OF THE CHIEF OF THE BUREAU OF ORDNANCE

NAVY DEPARTMENT,
BUREAU OF ORDNANCE,
Washington, D. C., August 24, 1925.

To: The Secretary of the Navy.
Subject: Annual report for fiscal year ending June 30, 1925.

1. The following report of the Bureau of Ordnance is submitted for the fiscal year ending June 30, 1925.

2. The President of the United States in his inaugural address, on the 4th of March, announced the national defense policy in the following concise expression:

> A balanced force, intensely modern, capable of defense by sea and land, beneath the surface, and in the air.

3. The Bureau of Ordnance has been assigned by the Navy Regulations, approved by the President, the following duty:

> The manufacture of offensive and defensive arms and apparatus, all ammunition and war explosives.

In consonance with the expressed policy of the Commander in Chief, this bureau will continue its effort to manufacture and supply to our fleet on the sea, beneath the sea, and in the air offensive and defensive arms intensely modern.

4. It should be borne in mind that with the exception of the 3 *Marylands*, the 10 scout cruisers, and the 6 V's, that our fleet is not new and that there will be required new design and supply in order to keep it modern.

INVENTIVE GENIUS

5. Formerly, in addition to the design force of the bureau, there were designers at the works of many private contractors, and the skill and ingenuity of these men were available in the current procurement of material. At present, due to the provisions of law, most of the material requirements of the Navy are met by Government establishments. This has caused the dispersion of the designing forces at the works of private contractors, and to a very great extent the naval service is forced to depend upon its own staff for new design. To counteract the tendency toward stagnation created by making the Navy dependent upon its own employees for new ideas, the bureau has endeavored to stimulate the inventive genius of its employees by using the provisions of the act of Congress approved July 1, 1918, which authorizes cash awards for useful inventions and ideas. The wisdom of this provision and the incentive offered can not be overestimated. During the year several valuable suggestions have been

received from employees and cash awards have been made where it has been felt that they were justified. There is a prevailing idea that outside suggestions are not cordially received by the officers of the Federal Government; this impression is totally erroneous, and, speaking for the Bureau of Ordnance, I can say that every suggestion received is carefully investigated with a view to determining whether or not it will be useful to the naval service and whether or not the expenditure of public funds is justified to investigate the value of the suggestion. While it is true that only a very small percentage of the suggestions received are meritorious, nevertheless this bureau welcomes and seeks suggestions from persons both out of the service and in the service, and is constantly on the lookout for valuable ideas with the view to keeping the Navy modern.

RESEARCH AND DEVELOPMENT

6. To the limit of available funds the bureau has proceeded with experimental, research, and development work. In addition, it has been found possible to interest a few private concerns in experimental work along certain lines. This work has been prosecuted diligently, and it is pleasing to note that some progress has been made and some developments have been brought to that point where it is possible to enter into production.

7. Since we are building no new capital ships, because of our treaty, and no new destroyers, because of the large number already constructed, it is imperative that every effort be made to increase the effectiveness of the equipment of the ships that we have and to develop improvements for incorporation in any replacement ships that may be built. To realize the full value from this work it is necessary that a small and logical program of procurement be entered into so that new developments may be tried out under service conditions in the fleet where the personnel may learn the method of operation and develop the best means of utilizing the improved equipment.

8. The main working appropriation of the bureau, "Ordnance and ordnance stores," for the fiscal year 1925 amounted to $9,025,000. This sum of money was just about sufficient, at a time when there were available some stocks of material which could be used without cost, to meet the upkeep and maintenance requirements of the fleet. In other words, with this appropriation the bureau, using stocks on hand, was just about able to provide necessary material for training, target practice, and maneuvers, and, in addition, to keep the material of the fleet in good condition. Nothing could be done toward providing new developments and new material, nor toward bringing up to date the equipment of the older ships which should be improved. Having presented this information to the Director of the Budget and to the Congress, the appropriation for 1926 is $10,375,250. This sum will enable the bureau to proceed in a small but orderly way toward the procurement of new material, toward the manufacture of new developments, and toward the improvement of a number of the vessels of the fleet in which improvements should be made in order that they may render the most efficient service.

REDUCTION IN FORCE

9. It has been found necessary to reduce the force of civilian employees materially during the past year. Reductions have been made as follows: Naval Gun Factory, 155; naval ammunition depot, Hingham, Mass., 27; naval ammunition depot, Fort Mifflin, Pa., 71. It is to be regretted that many men, experts in their trades, who have served long and loyally, have been separated from the service. This is particularly true at the Naval Gun Factory, where some individuals who have been employed by the Government many years have had to be separated from the service. This is a distinct loss to the Government, as it has taken many years for these men to acquire their skill and experience, and should there be future requirement for the services of similar men it will be necessary to call in new men and to train them, as the old men will form other connections and will no longer be available. It has been found to be a particularly arduous duty to have to separate individuals from the civil service. The department is governed in these discharges by Executive order, which requires that preference be given to veterans, provided that their efficiency ratings are "good." This has sometimes resulted in the retention of a veteran whose efficiency rating is many points lower than that of a nonveteran. The undersigned recognizes the desirability of according veterans preferment and agrees that the general principle is a sound one. However, it does appear that in heavy lay offs the interests of the Government are bound to suffer acutely where a wide margin of preferment is afforded.

10. These lay offs have also disclosed the fact that the systems of efficiency ratings are defective. It appears that at most establishments only a few employees have ratings below the average. Certainly these ratings are not to establish the absolute worth of an individual, but are merely to offer a comparison of one man to his fellow within a given plant. If this is correct, the average marks of an establishment should be the mean mark on the scale of ratings, with a fair proportion of the employees graded above and below the mean. It is recommended that the entire matter of efficiency ratings be carefully reconsidered and that a uniform system for the entire Naval Establishment be adopted. Attention is invited to the system in effect at the naval torpedo station, Newport, R. I., which appears to merit favorable consideration.

CASUALTIES

11. Rear Admiral N. C. Twining, United States Navy, retired, who was Chief of the Bureau of Ordnance from May 25, 1911, to October 6, 1913, died on July 4, 1924. While Admiral Twining was chief of the bureau he instituted many changes and effected a reorganization of the bureau; his services to the Navy were very valuable.

12. While mixing chemicals for a pyrotechnic composition at the experimental ammunition unit, Naval Gun Factory, on August 21, 1924, a dust explosion occurred which resulted in injuries to two men. A temporary mixing house which had been converted from an old brick dwelling was considerably damaged, and some equipment was damaged.

13. On October 20, 1924, a very serious accident occurred on the U. S. S. *Trenton*, resulting in the death of 1 officer and 13 men. The *Trenton* was engaged in firing trial shots from the 6-inch battery for the first time after commissioning. While powder was being brought up to the left gun of the forward mount, the powder was accidentally ignited. A court of inquiry investigated this accident most carefully and was unable to positively determine the cause of the accident; however, it was of the opinion that it had been caused by the breaking of a powder bag and the consequent grinding up of powder in the mechanism of the hoist. Endeavor has been made to reproduce such an occurrence, with negative results; however, in view of the elimination of all other possible causes, the bureau concurs in the finding of the court, and immediate steps were taken toward the modification of similar ammunition hoists to prevent a recurrence.

14. On January 7, 1925, while breaking down projectiles at the naval ammunition depot, Hingham, Mass., a 3-inch projectile exploded in the breakdown machine, resulting in the injury of one man seriously, but not fatally, and three men slightly. Material damage was slight. This accident presented a worthy example of high sense of duty, coolness in an emergency, and fearless execution of a dangerous task in that one of the workmen, although stunned and burned, quickly seized and removed from the building a burning charge of powder that had been ignited by a fragment from the explosion.

15. On March 10, 1925, while conducting experiments requiring the fragmentation of loaded projectiles in an armored chamber, Lieut. Commander O. W. Bagby, United States Navy, who was stationed at the naval proving ground, Dahlgren, Va., was fatally injured, his death occurring two days later, March 12, 1925. Mr. Bagby was an accomplished and trained ordnance officer and his loss is keenly felt by the bureau.

16. On April 24, 1925, a cylindrical tank exploded at the naval powder factory, Indianhead, Md. There were no personnel casualties and material casualties were slight. This tank was empty and had been formerly used for the recovery of solvent during the manufacture of powder. It is surmised that a small amount of nitrocellulose in very fine granular form had been carried over to the tank and had lodged there, and that it had detonated spontaneously. Future practice will prevent similar occurrences.

COURSES OF INSTRUCTION

17. The following courses of instruction have been maintained in cooperation with the Bureau of Navigation: Postgraduate course in ordnance, fire-control school at the Naval Gun Factory, officers' torpedo schools, Newport, R. I., and San Diego, Calif., torpedomen's schools, Newport, R. I., and San Diego, Calif., and optical schools at the Naval Gun Factory and Mare Island, Calif.

18. The value of these courses of instruction to the individual and to the service is very great. In addition to acquainting responsible personnel with the principles of construction and technique of the material which they use, it also tends to economy of operation, as experienced personnel can repair material, and furthermore they do

not have the casualties that inexperienced personnel are likely to have.

19. There are now under instruction in ordnance in the postgraduate school 15 officers, 8 will begin the course in July, 1925, and 100 have already finished the course; therefore, upon the graduation of the officers who are now undergoing instruction there will be 123 officers in the naval service who are qualified postgraduate ordnance officers. The bureau reckons that 200 officers will be needed for this purpose. Accordingly, there is a shortage to be filled of 77 officers, which the bureau recommends be filled by taking 8 officers a year for 10 years. It has been found that the officers who have completed their postgraduate instruction are particularly valuable at sea, and when available for shore duty they fill a long-needed requirement of having trained officers available to take the important and responsible positions in shore establishments requiring technical knowledge, thus eliminating the necessity of training an officer by having him perform a certain duty and then having him ordered to sea again about the time he is fully qualified to perform the duty. The bureau is of the opinion that it is becoming more and more necessary to have a very small number of officers, about two, detailed for engineering duty only (ordnance). The plan would be to have one of these officers stationed at the Naval Gun Factory and one at the naval torpedo station, in order that they may preserve the continuity of information and manufacturing knowledge acquired at these places. This matter is now being considered and will be made the subject of special recommendation to the Secretary of the Navy.

20. Contrary to the reflected opinions of certain portions of the press, the bureau is of the firm opinion that our Navy afloat is in a highly efficient condition and that much progress has been made during the past year in gunnery. This is not to say that greater efficiency can not be obtained by the construction of certain types of new ships permitted under the treaty for the limitation of armaments, and by the substitution of new and improved material for the older material which is now on board many of the older ships. The progress made during the past fiscal year reflects the greatest credit upon responsible officers afloat, and the bureau desires here to record its appreciation of the spirit of cooperation shown by the commanders afloat and to express a wish for further advancement and for further and closer cooperation. One thing that has been impressed upon the bureau is that those ships which do the best are those whose gunnery personnel contains officers who are experienced and who have been carefully trained. It is believed that one step toward advancement will be the careful selection of gunnery officers from officers who have had previous experience and training. The Bureau of Navigation has cooperated with this end in view, and it is recommended and hoped that further effort along this line will be made.

OFFENSIVE WEAPONS FOR AND DEFENSIVE WEAPONS AGAINST AIRCRAFT

21. There has been much discussion during the past year as to the capabilities of aircraft and the ability to defend against them. Some proponents of a united air service have argued that aircraft and aircraft alone can provide an adequate national defense. These pro-

tagonists have minimized the offensive value of surface craft and their relative part in the general scheme of national defense, and have belittled the powers of resistance of such vessels. At the same time they have endeavord to show the futility of any form of anti-aircraft defense other than that by aircraft themselves.

22. In the development and supply of offensive and defensive apparatus, not only for surface and subsurface craft but also for aircraft, these arms have been found to be so interrelated that the best results are only obtainable by close coordination and cooperation between the various types of naval craft. The bureau desires to voice here its expression of appreciation and thanks to the Bureau of Aeronautics for its increasing and untiring efforts to further the production and development of all apparatus, irrespective of whether it be for aircraft or against aircraft. It has been clearly determined that for the purpose of increasing the effective range and increasing the accuracy of fire of major-caliber guns that the airplane is essential to combatant ships. Thus the airplane has become a part of the long-range fire-control system, and is as much so as the directorscope or the range finder and their personnel. As such, without considering their other uses, airplanes must be on ships of the fleet. This alone justifies and requires that the personnel and material belonging to such fleet aircraft should be in and of the Navy and not of a separate service.

23. The development of weapons for the plane, such as bombs, fuses, bomb sights, guns, torpedoes, etc., has proceeded regularly and progress has been made. Defensive weapons and apparatus have also been improved, and I am optimistic enough to hope and expect that notable advances will be made within the next few years.

24. At the close of the World War the Navy was just being equipped with its first antiaircraft weapons. These being the first ever produced in this country and having been produced in the stress of war, naturally were susceptible to many improvements. However, this material was on hand. It was expensive and was capable of enduring many years, so, therefore, no changes of unproven value were recommended. Research, study, experimentation, and development were proceeded with, and until it was certain that material advances could be made no request for funds was made. The Director of the Budget and the last two Congresses have assisted the bureau, and soon it will be possible to install for trial afloat a limited amount of new, improved, and efficient apparatus. While the present antiaircraft guns are by no means modern, they are not negligible. The records of the Navy Department indicate that during the past year 16 battleships and 2 light cruisers held 42 practices against aircraft targets towed by airplanes. In 20 of these practices hits were made on the targets. While these practices were held under favorable conditions, nevertheless they represent the best reproduction of actual conditions that could be obtained. It is to be hoped that even this very creditable performance will be much improved by recent developments.

25. With the development of automatic triangulation recording devices it will be possible to locate the point of burst of antiaircraft projectiles, thus enabling careful analyses to be made which will assist in gunnery training and technique.

AIRPLANE FLOAT LIGHTS

26. A number of float lights, such as were mentioned in the last annual report, have been issued to the service and reports indicate their usefulness. The Navy-McMillan expedition was supplied with these lights and a number of them will be issued to the West Coast-Hawaiian flight.

TARGETS FOR ANTIAIRCRAFT GUNS

27. One of the great difficulties encountered in antiaircraft gunnery and training has been the lack of a proper target. The towed target hitherto used has been too small to give a proper point of aim at high altitudes and too small to give a target large enough to register hits. Utilizing the Naval Aircraft Factory, the bureau has been developing a target of large size to be towed by heavier-than-air craft and a target of much greater size to be towed by lighter-than-air ships, singly or in tandem. If a number of targets can be towed by a lighter-than-air ship it will be practicable to simulate squadron attack and defense.

28. The U. S. S. *Texas* and *Shenandoah* operated together during the week ending July 24, 1925. These operations were solely for the purpose of testing such targets, their towing gear and their handling. They were in no sense gunnery exercises, nor were they intended to be such. Although the *Texas* did fire a number of rounds with her antiaircraft guns at these new and larger targets with very good results, this was incidental to the test of the targets and target gear. From a material point of view the tests were satisfactory, and it appears that the expectations of the service for larger and better targets will be realized.

AIRPLANE CATAPULT

29. A new type of airplane catapult, mentioned in the last annual report, has been issued to service and reports indicate that its operation has been successful in every respect. As funds become available new catapults will be installed afloat.

NEW CONSTRUCTION

30. The manufacture of ordnance equipment for the airplane carriers *Lexington* and *Saratoga* has proceeded and the ordnance equipment will be delivered to meet the required dates of construction.

31. The ordnance equipment for six "V" submarines is being proceeded with. Deliveries will be made as required.

32. Funds to the amount of $1,000,000 were appropriated at the last session of Congress for ordnance equipment of the two new light cruisers authorized. This sum will enable the bureau to get the pattern, foundry, and some machine-shop work under way in order that construction dates may be met.

REGUNNING PROGRAM

33. The regunning of vessels of the Navy has been conducted in accordance with the schedule laid down. Methods of regunning at navy yards have been improved. At one yard three guns were removed from a turret and replaced by others in 4 hours and 30 minutes.

ORDNANCE EQUIPMENT FOR THE COAST GUARD

34. The bureau has continued to supply guns, ammunition, and demolition charges to vessels of the Coast Guard as required by them. This material is supplied without charge where there is no cost to current appropriations; where there are charges accruing against current appropriations the Coast Guard is required to defray the expenses.

PERSONNEL

35. The commissioned personnel of the bureau has been reduced by one officer during the present fiscal year. It is hoped that this vacancy will be filled when an officer is available.

36. The clerical and technical forces of the bureau have been reduced by one during the fiscal year. There are now a total of 66 people employed in the bureau, which number includes the technical force. The bureau hopes to be able to meet the requirements of the current building program without taking on additional clerical or technical force. Every method of consolidation known to the bureau is being practiced in order to obtain a maximum efficiency with a minimum force.

37. The average amount of leave taken by civilian employees in the bureau during the last calendar year was 28 days, and the average amount of sick leave additional amounted to 6 days. There are no employees in the bureau subject to the present retirement laws on account of age or disability.

38. On June 30, 1924, the inspection force of the bureau in the field amounted to 21 officers and 29 civilians; on June 30, 1925, there were 20 officers and 25 civilians. It seems quite probable that as the new building program develops that a small amount of additional personnel will be required in order to carry out the inspection of material required by the bureau.

39. The routine record and files section of the bureau is being kept up to date as well as can be, and at the same time the institution of the new Navy filing system is progressing. It is estimated that about one-half of the preparation for the institution of this system has been completed.

FISCAL

40. Funds were appropriated for the fiscal year 1925 as follows:

Act of May 28, 1924:	
Ordnance and ordnance stores	$9,025,000
Purchase and manufacture of smokeless powder	772,000
Torpedoes and appliances	850,000
Experiments	195,000
Civilian employees of the bureau	142,600
Increase of the Navy, ordnance	9,140,000
Total	20,124,600

41. The appropriation "Contingent, ordnance," was discontinued.

42. No deficiencies were incurred during the year.

43. When the report for the fiscal year 1924 was made settlement had been reached in all but one of the ordnance contracts canceled under the scrapping program. Negotiations in the case of that one contract were successfully concluded early in the fiscal year 1925.

44. The following is a summary of settlements made:

Number of contracts canceled	40
Original amount of contracts	$86, 682, 798. 12
Outstanding at time of cancellation (cancellation authorized by special act approved July 1, 1922)	20, 987, 864. 44
Appropriated Mar. 4, 1923, for settlement	8, 450, 000. 00
Amount actually required for settlement	7, 413, 805. 72
Unexpended balance	1, 036, 194. 28

45. By the act of December 5, 1924, this unexpended balance was made available for payment of obligations, other than ordnance, incurred in connection with the scrapping of naval vessels.

PATENTS

46. The bureau has prosecuted numerous patent applications, not only for itself but for other offices of the Navy Department, during the past year. At present there are approximately 100 cases in the course of prosecution.

47. During the year 25 patents have been taken out by various officers and civilians of this and other bureaus. About 35 new applications have been filed during the course of the year, and there are a number now in the course of preparation on various ordnance devices.

SPECIFICATIONS

48. A great deal has been done during the past year in connection with the preparation of specifications. Specification work covers both Federal and Navy Department specifications. All proposed Federal specifications are referred to this bureau for comment. The number of Federal specifications promulgated is constantly increasing, which in turn increases the activities of the Navy Department Specification Board in connection with the revision of Navy Department specifications. The value of this work becomes more apparent each year and of increasing importance to the Government from the standpoint of standardization.

RUST-PREVENTIVE COMPOUNDS

49. The bureau has completed the first set of experiments conducted at the Naval Gun Factory for the purpose of adopting a standard rust-preventive compound and lubricant for ordnance material. As a result of these tests a material has been selected for this purpose which is far superior to the material formerly used, and a circular letter has been issued to the service which contains instructions for its use and outlines the procedure of inspection and overhaul to be followed on board ship.

MACHINERY AND MACHINE TOOLS

50. During the past year a considerable amount of surplus machinery and machine tools have been disposed of, either by transfer to other departments of the Navy or by sale. This disposition has had the effect of putting into use material otherwise unused and has also made available certain storage facilities which had been used for the storage of this material.

BATTLE TOWING TARGETS

51. During the year four target rafts were surveyed and scrapped and four new target rafts were constructed.

ARMOR

52. All surplus armor resulting from the scrapping of vessels under the limitation of armaments treaty has been disposed of by sale or transfer.

PROJECTILES

53. During the fiscal year the only projectile manufacture undertaken was of illuminating projectiles, which were made for the purpose of supplying deficiencies in the service.

MINES

54. All mine work conducted during the year has been of an experimental nature toward development of new and improved material.

EXPERIMENTAL WORK

55. To the limit of funds available, experimental and development work has been conducted actively. This work has been carried on principally through the agencies of stations under the Navy Department, such as the naval proving ground, Naval Gun Factory, naval powder factory, and Naval Research Laboratory.

56. The bureau has maintained close liaison with other Government departments in order to prevent duplication and in order to profit by such tests as have been conducted by those departments. This is particularly so in case of the Chemical Warfare Service, Ordnance Department of the Army, Bureau of Mines, Bureau of Standards, and the National Research Council.

NAVAL POWDER FACTORY

57. During the past year the naval powder factory has produced 1,400,000 pounds of powder, 75 per cent of which was old powder reworked into new granulation and the remainder being new powder. The amount of new powder manufactured is just about sufficient to keep a small nucleus of men engaged in its manufacture. It is realized that manufacturing such a small amount of powder is far from economical; however, the bureau considers that in the long run this manufacture represents an economy, as it keeps the powder factory in good condition, ready for use, and at the same time it permits the

retention of a small body of trained men upon which expansion could be made in time of emergency. The amount of powder manufactured annually, namely, 1,400,000 pounds, is not quite sufficient to meet target practice requirements of the fleet each year, and by its manufacture no surplus is created.

58. The railroad connecting the naval powder factory to the Pennsylvania Railroad at White Plains, Md., handled 894 cars during the year, of which 669 were for the Government and 225 for private parties.

59. The chemical laboratory at the powder factory has made 1,373 complete analyses and 3,173 partial and separate analyses, and in addition has manufactured 130,000 sheets of violet paper for test of smokeless powder.

NAVAL PROVING GROUND, DAHLGREN, VA.

60. During the year current proof of new guns, relined guns, and repaired guns, together with tests of powder, explosives, projectiles, fuses, armor, and bombs, and experimental work, has been conducted at the proving ground. Approximately 5,200 rounds were fired from guns at that station with the expenditure of 386,000 pounds of powder.

NAVAL TORPEDO STATIONS

61. The naval torpedo station, Newport, is the only operative manufacturing plant for torpedoes at the present time. The manufacturing plants at Alexandria, Va., and the Naval Gun Factory are closed and in an inoperative condition. The station at Alexandria is used as a storage point only, and the station at Keyport, Wash., is used as a storage point and as a point for the testing and adjustment of torpedoes of the fleet; also small conversion work is done at Keyport.

62. At the torpedo station at Newport two schools are kept in operation for the purpose of instructing officers and enlisted personnel in torpedoes and torpedo work. Fifty-seven officers and 197 men have completed the course at these schools during the year. In addition, 38 men from the fleet have been given short courses.

63. The personnel at the Newport Torpedo Station has been reduced to a point where it is possible now to predict a flat curve of employment for approximately two years. This is a very desirable condition, as it has caused the employees not to be apprehensive in regard to their continued employment and has actually caused an increase in production by reason of the contentment of the employees.

NAVAL AMMUNITION DEPOTS

64. During the year it has been possible to put into effect a policy whereby ammunition is now prepared by only two ammunition depots on the east coast and by two ammunition depots on the west coast. The remainder of the ammunition depots are used as stowage points only. This new policy has resulted in a reduction of force at the ammunition depots of approximately 100 men. It is hoped that within the next three or four years a progressive and comprehensive

program of rearrangement of material may be made in order that the overhead of maintaining the large amount of ammunition on hand may be reduced.

65. The lack of adequate storage facilities on the west coast is embarrassing, and the capacity of the one ammunition ship remaining in commission is taxed to its utmost in order to meet the requirements of service.

NAVAL MINE DEPOTS

66. The mine depot at New London is used only for the purpose of stowage of nets and net material.

67. The major part of the mine work for the Navy is conducted at the mine depot at Yorktown, Va. There are no mine depots on the west coast; this is a situation that will have to be met at some future date in order that an adequate number of mines may be stowed and properly taken care of on the Pacific.

NAVAL ORDNANCE PLANT

68. The naval ordnance plant at South Charleston, W. Va., is on an inoperative basis; only necessary routine work for the upkeep of buildings, material, rolling stock, and grounds has been performed during the year. The cost of this routine work amounts to approximately $100,000 per year, and by reason of the rental of certain power-plant machinery and the operation of the Navy housing project the plant itself reimburses the Government for this expenditure.

69. During the year the surplus stock of material on hand and the surplus machinery and machine tools have been reduced by sale or by transfer.

NAVAL GUN FACTORY

70. During the fiscal year the force of the Naval Gun Factory has been materially reduced, as the work on the armament of the airplane carriers has approached completion and the work on the armament of the two new light cruisers has not sufficiently advanced to furnish employment for the force which was employed on July 1, 1924.

71. The principal work performed by the gun factory during the fiscal year was the work on the armament of the airplane carriers and the relining and repair work on guns in service.

72. Due to the reduction in the amount of electric and open-hearth steel produced the cost of this product has advanced somewhat, while the price of cartridge-case cups has been reduced owing to the increased amount produced. During the fiscal year the forge shop has produced approximately 3,800,000 pounds of forgings. By reason of this amount it has been possible to keep the price of forgings at a low price. This volume of work is largely due to obtaining work from other Government departments.

73. It is worthy of note that during the year the Naval Gun Factory has successfully produced windlass gear rings of noncorrosive steel for submarines. As far as is known they are the largest forgings of this material that have been made, and when effort was made to have them manufactured, the gun factory appeared to be the only

plant which was willing to take the risk of producing satisfactory forgings.

DECISION OF THE COMPTROLLER GENERAL

74. Under date of May 28, 1925, the Comptroller General of the United States ruled that the appropriations of the Bureau of Ordnance are not available for the purchase of patents or patent rights. In this ruling it is stated:

> In accordance with such unquestionable rule of statutory construction, it is only too apparent, as the appropriation "Ordnance and ordnance stores" contains no provisions for such acquisition of a patent or patent rights for a general use, there is no authority to use that appropriation for such purpose.

75. For many years it has been the practice of this bureau to purchase patents and patent rights from its general appropriation, should such purchase be warranted by the usefulness of the patent or by its value for military purposes. In such purchases, which are very rare, the bureau has always purchased the patent or patent rights for the general use of the Government, although in many cases it was probable that such patents or patent rights were only usable by the Bureau of Ordnance.

76. The changing of this policy of acquirement of the sole or limited use of the newest improvements in the equipment of vessels for the Navy appears to be detrimental to the national security and defense. Without the availability of some funds for this purpose the military advantages afforded by the sole ownership or control of essentially military designs or patents are lost to the Navy. The North Sea mine barrage could not have been laid without such availability, nor could secrecy in regard to many new developments be maintained. It is only in very rare instances that it would be desirable to acquire patents, it being preferable in most cases to make agreements of license. However, it does appear to this bureau that such right should exist and that the appropriations of the bureau should be available for such purpose, should, in the judgment of the chief of bureau, such acquisition be desirable for reasons of economy or secrecy.

77. It is recommended that steps be taken to obtain a change in the wording of the appropriation act, in order that it may be possible to acquire patents or patent rights should they be required.

C. C. Bloch, *Chief of Bureau.*

ANNUAL REPORT OF THE BUREAU OF CONSTRUCTION AND REPAIR

NAVY DEPARTMENT,
BUREAU OF CONSTRUCTION AND REPAIR,
Washington, D. C., October 15, 1925.

To: The Secretary of the Navy.
Subject: Report of the Bureau of Construction and Repair for fiscal year ended June 30, 1925.

The total expenditures for the fiscal year 1925, including sums expended jointly with the Bureau of Engineering, were approximately $47,000,000. The bureau's force including officers, clerks, and technical employees, which was reported as 160 on June 30, 1924, numbered 154 on June 30, 1925. It has been increasingly apparent that the bureau's force has been reduced to a point where it is inadequate for the proper handling of the work, and the bureau is at the present time taking on such additional technical employees as can be provided for from the funds available. This will result in an increase of the total force to approximately 160. The bureau has also requested that additional funds be provided for the fiscal year 1927 to permit some further increase in the technical force. Except for the transfer of certain officers to and from the bureau, the organization remained practically unchanged during the year.

PERSONNEL

Officers.—There was no regular graduating class of officers of the Construction Corps from the Massachusetts Institute of Technology in June, 1925, but a class of 11 will be graduated in June, 1926. Two additional classes are under instruction. A class of eight entered the institute in October, 1925, after completing one year postgraduate instruction at the Naval Academy, and a class of nine entered the postgraduate school at the Naval Academy in July, 1925.

The second special class, consisting of 17 officers, who were taking the course of instruction authorized by the department for assistant constructors appointed from chief carpenter and carpenter, completed their technical instruction at the Massachusetts Institute of Technology in June, 1925, and have been assigned to the different navy yards. This completes the special instruction for which provision was made and no further special classes are contemplated.

Technical and clerical.—During the fiscal year 1925 the number of civilian personnel (draftsmen, inspectors, clerks, shipkeepers, etc.) employed in the navy yards and other offices outside the Navy

Department and paid from the appropriation "Construction and Repair" was slightly increased. The number on June 30, 1925, was approximately 790, as compared with an approximate total of 715 on June 30, 1924. This increase was due almost entirely to the employment of additional draftsmen at the navy yards at Boston, Philadelphia, and Norfolk for work in connection with the major alterations on the coal-burning battleships.

The office of the superintending constructor, Newport News, Va., was closed in August, 1925, and the office of the superintending constructor, Groton, Conn., in October, 1925, due to the completion of the settlements following the delivery of vessels under construction at these places. It will be necessary in the current fiscal year to establish a superintending constructor's office for the inspection of the six river gunboats which it is proposed to build on the China coast. It will also be necessary to establish a superintending constructor's office for the inspection of the light cruiser which it is proposed to build by private contract, in case the contract for this vessel is awarded to a shipyard in which construction is not now proceeding.

VESSELS UNDER CONSTRUCTION

In the bureau's last annual report 17 vessels were listed as under construction on July 1, 1924. Of these vessels 2 light cruisers, 5 submarines, 1 fleet submarine, and 3 auxiliaries were completed during the year. Including 1 additional fleet submarine, started during the year, there remained under construction on July 1, 1925, 2 airplane carriers (converted from battle cruisers), 1 submarine, 3 fleet submarines, and 1 auxiliary, a total of 7 vessels.

Airplane carriers.—The conversion of the battle cruisers *Lexington* and *Saratoga* to airplane carriers was authorized by the act of July 1, 1922, in accordance with the terms of the treaty limiting naval armament, and contracts for the completion of these vessels as airplane carriers were signed on November 2, 1922, and October 30, 1922, respectively. It having become apparent that the vessels which are building under cost-plus fixed-fee contracts could not be completed within the limit of cost previously established, due mainly to the rise in wages and material costs, the limit of cost was increased to $34,000,000 each by the act of February 11, 1925, and additional funds for continuing the construction of these vessels were included in the deficiency act of March 4, 1925.

The *Saratoga* was launched April 7, 1925, and the *Lexington* October 3, 1925. The progress on the two vessels is approximately the same and the later launching of the *Lexington* was due to local conditions at the plant. The rate of progress on these vessels has not been entirely satisfactory and it is now estimated that the vessels will not be completed before the end of the calendar year 1926.

Light cruisers.—Of the 10 scout cruisers of the *Omaha* class, there remained under construction on July 1, 1924 the *Marblehead* and *Memphis*, both at the works of William Cramp & Sons Co., Philadelphia, Pa. The *Marblehead* was delivered September 5, 1924, and the *Memphis* January 31, 1925. The 10 vessels have all successfully completed their final trials, after the customary period

in service, with the exception of the *Detroit* and *Raleigh*, on which certain changes in turbines are required before final acceptance.

S-class submarines.—Of the six S-class submarines still under construction on June 30, 1924, five were delivered prior to June 30, 1925 and the last of the class, the *S–47*, was delivered September 16, 1925.

Fleet submarines.—The *V–1*, building at the navy yard, Portsmouth, N. H., was placed in commission October 1, 1924, for surface running, for the purpose of permitting an earlier trial of the Diesel engines under service conditions than would have been practicable had commissioning been delayed until the vessel was entirely completed. After cruising for a total of over 17,000 miles, the *V–1* returned to the Portsmouth Navy Yard May 31, 1925. The *V–1* functioned very satisfactorily, but as a result of her service experience some changes of a minor character were decided on. On the return of the *V–1*, the remaining work was taken in hand and it is estimated will be completed in December, 1925. Similar changes were ordered incorporated in the *V–2* and *V–3*, also building at the Portsmouth Navy Yard. These changes slightly delayed the completion of the *V–2* but did not affect the completion of the *V–3*, due to the less advanced condition of her work. The *V–2* was placed in commission September 26, 1925, and will be the first of the group assigned to regular service. It is estimated that the *V–3* will be ready for commissioning in February, 1926.

The *V–1* to *V–3* are designed to operate directly with the fleet and have for this purpose a relatively high surface speed. The *V–4*, also building at the navy yard, Portsmouth, N. H., has been designed for independent operation as a mine-laying submarine and surface speed has been sacrificed as necessary to permit carrying a reasonable number of mines and an increased fuel supply. The keel of the *V–4* was laid May 1, 1925.

Auxiliaries.—Four auxiliaries were under construction June 30, 1924. The destroyer tenders *Dobbin*, building at the navy yard, Philadelphia, Pa., and *Whitney*, building at the navy yard, Boston, Mass., were completed July 23, 1924, and September 2, 1924, respectively. The repair ship *Medusa*, building at the navy yard, Puget Sound, Wash., was completed September 18, 1924. There remained under construction at the end of the year the submarine tender *Holland*, at the navy yard, Puget Sound, Wash., which, it is estimated, will be completed in April, 1926. Some changes of minor importance were made in the plans to better adapt the vessel for service in the new submarine organization and as completed the *Holland* will be provided with the necessary shops, spare-part stowage, accommodation for personnel, and other facilities sufficient to serve adequately the needs of two divisions of six S class submarines each.

NEW DESIGN

The naval appropriation act of February 11, 1925, appropriated funds toward the construction of two additional fleet submarines, being the fifth and sixth of nine fleet submarines included in the building program of the act of August 29, 1916. The act of December 18, 1924, authorized the construction of six river gunboats and eight scout cruisers. The deficiency appropriation act of March 4,

1925, appropriated funds toward the construction of the six river gunboats and of two of the eight scout cruisers. The new design work of the bureau for the fiscal year has consisted principally of the preparation of preliminary designs and of contract plans and specifications for the river gunboats which are intended for service in Chinese waters and of the preparation of preliminary designs for the two additional fleet submarines and the two additional scout cruisers.

River gunboats.—These gunboats are intended for service on the rivers of China, and the design is intended primarily to meet the peculiar conditions of navigation and service on the Yangtze-Kiang. Based on the characteristics approved by the department, plans and specifications were prepared for a twin-screw tunnel-stern vessel of 385 tons displacement, propelled by two Diesel engines with power sufficient to give a speed of not less than 15 knots in deep water when carrying fuel sufficient for 1,000 miles at a cruising speed of 10 knots. These vessels will carry two high-angle 3-inch guns and eight machine guns with mantlet protection against rifle fire.

The plans and specifications were forwarded to the commander in chief Asiatic Fleet under date of June 13, 1925, with instructions to call for bids from shipbuilders on the China coast, both on the department design and on the bidders' own designs. It is proposed in case the vessels are built in accordance with the department plans to construct the engines at the New York Navy Yard and to supply the principal auxiliaries, both hull and machinery, from this country. The hull steel also will be of domestic manufacture. The commander in chief has informed the department that bids were opened September 30, 1925, and that the bids, together with his recommendations, may be expected late in October.

Light cruisers.—The two scout cruisers for which funds were provided are the first vessels of this class to be designed under the restrictions imposed by the treaty limiting naval armament. These vessels will be of treaty displacement of not exceeding 10,000 tons and will carry a battery of 8-inch guns. The selection of the characteristics was made after a careful study by the General Board of a series of studies and preliminary designs prepared by this bureau in consultation with the other technical bureaus concerned. Due to the limit placed on displacement, it is necessary to carefully balance the advantages and disadvantages of the several elements which it may be desired to incorporate in the design, as any improvement in one element must be purchased by a sacrifice in some other element. It is necessary also that the plans and weight calculations be more advanced at the time construction is started than has heretofore been the practice.

The characteristics of the design having been approved by the department, this bureau proceeded with the preparation of the contract plans and specifications, which, it is estimated, will be completed early in November, 1925. One of the light cruisers has been assigned to the navy yard, New York, and bids for the construction of the other light cruiser will be requested from private firms on a fixed-price basis. The relatively small amount of funds available for the first year made it inadvisable to lay down the vessels early in the fiscal year.

Fleet submarines.—The two additional fleet submarines will be designed for operation either with the fleet or independently. The preliminary work on the designs was carried on concurrently with the preliminary work on the designs of the light cruiser and the preparation of contract plans and specifications will be taken up actively as soon as the contract plans and specifications of the light cruisers are sufficiently advanced to permit draftsmen to be assigned to this work. It is estimated that these plans and specifications will be ready for issue about two months thereafter.

EXPERIMENTAL MODEL BASIN

During the past year the model basin has had in hand 70 models, 16 of which were for private interests and 2 for other branches of the Federal Government. Considerable work has been done in shallow-water investigations for a private concern, consisting in measuring rudder effort, power used in self-propulsion, and determining the best arrangement of rudders to serve the needs of river towboats. New apparatus has been developed to test paddle wheels in connection with the design of a stern-wheel towboat for the office of the Chief of Engineers, War Department. Preliminary experiments in this connection indicate the opening up of a new field of experimental endeavor, along the line of greater efficiency and economy in river transportation.

Among the investigations conducted by the model basin in connection with problems pertaining to the Naval Establishment, the following are of special interest:

(*a*) Combination of wind-tunnel and model-basin experiments to determine the leeway to be anticipated in the airplane carriers now under construction, on account of wind of varying strength and direction.

(*b*) The comparison of rudder forces and effect on the ship as determined from model experiments and actual measurements taken on the ship.

MAINTENANCE OF THE FLEET

While several new vessels were placed in active service in the fiscal year ending June 30, 1925, other vessels were placed out of service, and the operating force for the year was of practically the same size as for the preceding fiscal year.

Ships' allotments.—The change in the method of handling ships' allotments, which was placed in effect July 1, 1924, and which provided for the bureaus concerned handling directly certain articles involving relatively large sums for individual issues, has worked very satisfactorily. The articles for which special provision is made by this bureau are such as boats, anchors and chains. The ship and force allotments remain chargeable with all consumable supplies and with all other articles of equipage. This procedure did not change the total of the allotments, as the funds required to provide for the special issues by the bureau were obtained by making a pro-rata reduction in the allotments to the ships, but the handling of the allotments by the ships is greatly facilitated by the more uniform rate of expenditure that results.

Repairs.—While the number of vessels in active service was practically the same as for the preceding fiscal year the average age of the vessels is increasing and the amount required to maintain them in efficient operating condition is gradually rising. The reports received indicated that vessels were leaving the navy yard without repairs which should have been accomplished and that this was due in some cases to deferring repairs for the purpose of undertaking alterations. While the alterations undertaken were in most cases of undoubted importance such a procedure could not be continued indefinitely. It was accordingly decided to make available under the monthly allotments to navy yards a somewhat greater amount than had previously been expended for repairs and to provide for alterations by special allotment. This change permitted some improvement in the material condition of the vessels of the fleet in the past fiscal year, which improvement will continue during the current fiscal year.

Improvements to vessels in service.—The increase in the amount required for repairs, combined with the reduction of $180,000 in the appropriation "Construction and Repair," very materially reduced the amount that could be allocated for alterations. The expenditures for this purpose for the preceding fiscal year were already insufficient to undertake the improvements considered necessary to maintain the vessels as fully effective military units of the fleet. A further reduction was very undesirable but was accepted as less objectionable than allowing the material condition of the vessels to deteriorate. In order that the limited funds available might be expended for the alterations of greatest immediate urgency considering the needs of the fleet as a whole, a change was made in the method of handling alterations. The bureau estimated the total amount that could probably be expended during the fiscal year for alterations to all vessels after providing for expenditures afloat and for repairs which are considered prior obligations against the appropriation. A careful study was also made of the approved alterations on all vessels and decision reached as to what alterations of greatest immediate urgency, considering the requirements of the fleet as a whole, could be accomplished from the funds available. When a vessel is ordered to a navy yard for overhaul, the list of alterations applicable to that particular vessel is rechecked and a special allotment is made for the accomplishment of such alterations as can be authorized. This work can then proceed without interference from other demands on the navy yard funds. While this change in procedure was undertaken primarily to insure that the funds available would be expended for the alterations of greatest immediate urgency the reports received indicate that it has somewhat facilitated the handling of their work by the navy yards.

CHANGES ON VESSELS IN SERVICE

With the exception of the major alterations to the coal-burning battleships for which a special appropriation was made, the changes that could be undertaken on vessels in service were extremely limited, due, as noted above, to the small amount remaining under the appropriation "Construction and Repair" after providing for expenditures afloat and for repairs.

Airplane stowage and handling.—The installation of turntable catapults on the quarter decks of the oil-burning battleships was completed during the year with the exception of the catapult on the *West Virginia* which will be installed in the current fiscal year. The deck arrangements of the coal-burning battleships do not permit a satisfactory catapult installation on the quarter deck and it has been necessary in the case of these vessels for the airplanes to take off from the water. Airplane handling and stowage arrangements to facilitate this procedure have been installed on all the coal-burning battleships with the exception of the *Florida.* A trial installation of a turret type catapult was made on the *Mississippi* and it is planned to proceed with similar installations on the *West Virginia* and *Idaho* in the current fiscal year.

Gasoline stowage system.—The hydraulic gasoline stowage system was installed during the past year on all of the coal-burning battleships with the exception of the *Florida.* Installations had previously been undertaken on three of the oil-burning battleships, and it is contemplated to proceed with this installation on a few of the remaining oil-burning battleships during the current fiscal year.

Antiaircraft batteries.—Plans were made for the installation of 5-inch antiaircraft batteries on the 16-inch gun battleships, but none of these installations could be undertaken in the past fiscal year due to shortage of funds. The program for the current fiscal year provides, however, for the work on two of these vessels.

Improvements in safety features of turrets.—While the accident in the turret of the *Mississippi* was not attributed to lack of adequate safety appliances, the careful study of turret installations made by the forces afloat as a result of the accident indicated the desirability of certain changes. These consisted principally of changes in the divisional bulkheads and in the turret ventilation and ammunition handling that would more completely isolate the individual guns and of some extensions to the turret sprinkling system. Decision as to the work to be undertaken was not reached at a sufficiently early date to permit proceeding with the changes in the fiscal year ending June 30, 1925, but this work has been given first priority for the current fiscal year and will be accomplished on all battleships as they go to the navy yards for overhaul.

Improved accommodations for the crew.—Owing to the increases that have been made in the crews of a number of vessels in service to provide additional men for improved fire control, antiaircraft batteries, seaplanes, and other features not contemplated in the original design, the accommodations for the crew have become inadequate. As a result of a study of the question by the forces afloat a proposal was made to substitute bunks for hammocks with a view both to providing increased accommodations in a given space and to improving the comfort of the men. The two trial installations made on the *Oklahoma* and *California* have been under observation for a considerable period but there is still a difference of opinion as to the desirability of the change. In the case of the scout cruisers the changes decided on consisted of moving the galley to the upper deck and making available for the crew certain additional inclosures. This work, which has been practically completed on the *Detroit* and *Memphis* and is well advanced on the *Raleigh* and *Trenton*, will be proceeded

with during the current fiscal year as funds and the availability of the vessels permit.

S class submarines.—The changes undertaken on the *S–20*, as a representative vessel of the group, to improve habitability and sea-keeping qualities and to increase the radius of action were completed too late to permit the vessel to take part in the winter maneuvers. The vessel has, however, been a number of months in service since the changes were completed, and trials by the board of inspection and survey have been ordered. Action on the changes as a whole will not be taken for the other vessels of the group until the results of the trials of the *S–20* are known, but certain of the changes have been made on a number of other vessels and favorable reports thereon have been received. The work undertaken on several of the S class submarines to remedy the oil leaks into the engine rooms has proved successful on such of the vessels as have been a sufficient time in service to try out the work.

Mine sweepers.—The installation of housing hawse pipes on the vessels of the mine-sweeper class was proceeded with as funds could be made available for the purpose. This change has practically eliminated the difficulties previously experienced with the anchor chains and windlasses.

Oiling at sea.—The *Kanawha* has been equipped with a tension engine for use in connection with astern oiling at sea and has conducted two trials with the *Arizona* which gave fairly promising results.

Anchor chain.—The experimental 2¾-inch cast-steel anchor cables which have been in service on four battleships since 1920 continued to give satisfactory service. The bureau is purchasing cast-steel chain of other sizes with a view to the ultimate replacement of the present wrought-iron chain. The new link dimensions adopted by the Federal Specifications Board are being used in the purchase of new chain cable.

MAJOR ALTERATIONS TO COAL-BURNING BATTLESHIPS

The act approved December 18, 1924, authorized for the six coal-burning battleships *Florida*, *Utah*, *Arkansas*, *Wyoming*, *Texas*, and *New York*, the conversion of the vessels from coal to oil burning, the installation of additional underwater protection, and the installation of additional anti-air attack deck protection. The act authorized also the installation of improved fire control on the *Texas* and *New York* and placed a limit of $18,360,000 on the total cost of all the alterations. The deficiency act of March 4, 1925, appropriated $9,000,000 toward the accomplishment of these alterations, of which $1,000,000 was made available for the fiscal year 1925.

The *Florida* was made available at the navy yard, Boston, Mass., on April 1, 1925, for the accomplishment of the work; the *Texas* was made available at the navy yard, Norfolk, Va., on August 1, 1925; and the *Arkansas* at the navy yard, Philadelphia, Pa., on September 1, 1925. It is intended that the *Utah*, the sister ship of the *Florida*, be sent to the navy yard, Boston, Mass., a sufficient time in advance of the completion of the work on the *Florida* to permit handling the alterations on the two vessels as one continuous job. Similarly, the *New York* will follow the *Texas* at the navy yard,

Norfolk, Va., and the *Wyoming* will follow the *Arkansas* at the navy yard, Philadelphia, Pa.

The special-treatment steel, structural steel, and other materials and equipment left on hand due to the discontinuance of the construction of the vessels scrapped under the terms of the treaty limiting naval armament are being utilized to the greatest extent practicable in the accomplishment of the alterations to these battleships. The experiments carried out in connection with the sinking of the *Washington* checked in the main the information previously obtained from experiments with caissons, and from the tests on the *South Carolina*, although some modifications were made in the plans for the alterations to the coal-burning battleships as a result of the *Washington* tests.

VESSELS OUT OF COMMISSION

The average number of vessels out of commission for the year was about 315. The majority of the vessels on the east coast are concentrated at the navy yard, Philadelphia, Pa., and during the year several additional vessels were transferred to that yard. The majority of the vessels on the west coast are concentrated at the destroyer base, San Diego, Calif. This concentration of the vessels at a limited number of yards materially reduces the expenditures for ship keepers and permits more economical handling of the care and preservation work.

In view of the limited funds that could be allotted for work on vessels out of commission, it has been necessary to confine the expenditures to care and preservation work and to items of repairs directly connected with care and preservation such as docking, cleaning, and painting. Repairs which, while necessary for the operation of the vessel, are not such that their accomplishment is required to prevent further deterioration, have not been undertaken. During the fiscal year 1925 the expenditures were approximately $100,000 more than in the preceding fiscal year and it is believed that the general condition of these vessels is now satisfactory. It is noted, however, that the expenditure for care and preservation is only for the purpose of preventing further deterioration of the vessels and that when these vessels are placed in commission a considerable additional expenditure will be required for repairs and for the completion of the outfits of the vessels.

DISTRICT CRAFT

Special attention is invited to the condition of the district craft, which include fuel barges, water barges, ammunition lighters, freight lighters, harbor tugs, launches, etc. During the war large numbers of such craft were acquired and the Navy's needs have since been met from the craft retained. As a consequence nearly all of the craft included in this category are old, the repairs required to keep them in serviceable condition are increasing from year to year, and replacements will shortly become a matter of urgent necessity. In the endeavor to apply as large a proportion of the available funds as possible to work on vessels of the active fleet the district craft had been somewhat neglected in previous years and the bureau made

special efforts in the fiscal year 1925 to have the essential district craft placed in a satisfactory state of repair. Expenditures approximating $330,000 were incurred for this purpose during the year and it is believed that the district craft are in general in reasonably satisfactory material condition considering their age.

At present the only district craft under construction is a 1,000-ton nonself-propelled water barge building at the navy yard, Charleston, S. C. Work on this vessel is proceeding at a very slow rate due to the limited funds that can be allotted for the purpose. The bureau has received several requests during the fiscal year for additional district craft considered necessary for satisfactory service of the fleet. It was not practicable to provide funds for this purpose in the fiscal year 1925 and no funds are available for the current fiscal year.

Gas warfare defense.—The providing of air reconditioning apparatus for the central stations and plotting rooms of battleships has been continued during the year. An experimental reconditioning apparatus for engine-room service has been designed and the apparatus is being manufactured but the installation on shipboard has not yet been undertaken.

Additional masks of the standard type were manufactured during the year and a sufficient number are now on hand to equip the vessels in active service. Some of the masks of earlier manufacture have deteriorated to an extent that requires their replacement. An investigation is being conducted with a view to determining whether or not it will be practicable to supply masks that will give a longer life under the stowage and service conditions on board ship. A special type of mask designed for use with gun sights, periscopes, and other optical instruments has been developed and a sufficient number have been ordered to permit a thorough service trial.

The bureau has made no attempt to develop its own facilities for the investigation of special problems in connection with defense against war gases nor for the manufacture of gas masks, protective clothing, etc. Dependence has been placed on other Government agencies, principally the Chemical Warfare Service of the Army, which has special facilities at the arsenal, Edgewood, Md.

Rescue breathing apparatus.—A new type of oxygen rescue breathing apparatus has been developed and initial lots have been issued to the vessels of the fleet. Gas chambers have been constructed at the navy yards, New York and Mare Island, and a permanent unit has been organized at each navy yard to give instruction to personnel of the fleet in the use, care, and limitations of apparatus of this character.

Fire-extinguishing apparatus.—The acid soda fire extinguishers issued to motor boats have not proved satisfactory and these are being converted into foam type extinguishers of nonslop design. An experimental installation of an improved carbon dioxide fire extinguisher is being made on the 40-foot motor boats.

Mine-sweeping rope.—A domestic type of rope for mine sweeps has been developed. Shop tests of this rope in comparison with the British serrated wire rope hitherto used for mine sweeps indicate that the American-made wire rope may prove superior to the British type. A number of experimental sweeps are being purchased for service tests.

Diving experiments.—Experiments are being conducted in conjunction with the Bureau of Mines with a view to reducing the dangerous effects from the absorption of nitrogen by the blood in deep-sea diving. The experiments indicate that a mixture of helium and oxygen may permit the diver to descend safely to greater depths than have hitherto been reached and may also permit a more rapid ascent without danger to the diver.

Voice tubes.—The series of tests and experiments laid out in conjunction with the Bureau of Standards have now been completed and the results obtained are being analyzed with a view to effecting improvements in this method of communication on board ship.

Ships' bottom paints.—The investigation of the fouling of ships' bottoms and the means to be adopted for its prevention have been continued through the year. While these tests have increased the information relative to fouling growths, and have resulted in the elimination of a number of unsatisfactory materials for the manufacture of paints, and also in the development of tentative formulas making use exclusively of domestic materials, no facts of special significance have been developed.

MATERIAL SPECIFICATIONS AND INSPECTIONS

Specifications.—The bureau has continued throughout the year its work in connection with the development of specifications. This work is carried on in conjunction with the Federal Specifications Board, the American Engineering Standards Committee, the American Society for Testing Materials, and the American Marine Standards Committee. These investigations form a very important part of the bureau's work, as the existence of specifications clearly describing the materials required and calling for materials that conform as closely as possible to commercial practice results in saving of both time and money in the purchase of the materials required for its use.

Inspections.—In material other than lumber, there has been a decrease from the last year in the tonnage inspected, but an increase over the average of the past three years. The percentage rejected has decreased both from last year and from the average. Lumber inspected has decreased in quantity from last year and is below the three-year average. The percentage rejected is about the same as previously recorded. The cost of inspection per dollar of value is considerably less than last year for material other than lumber and timber, but slightly greater in the case of lumber and timber, due partly to the smaller amount inspected. This work has been carried on without any change in the numbers of the field inspection forces.

Following is a brief summary of inspections under the bureau during the fiscal year as compared with two years immediately preceding.

Inspections at place of manufacture of material other than timber and lumber

	1923	1924	1925
Total amount of material submitted and inspected (tons)	14, 244	21, 144	33, 257
Total amount of material accepted (tons)	12, 216	19, 367	31, 470
Percentage rejected	14. 23	8. 40	5. 37
Approximate value of material accepted	$4, 565, 364	$5, 466, 485	$7, 942, 276
Total cost of inspection	$120, 985	$126, 119	$121, 112
Average inspection cost per dollar of value	$0. 026	$0. 023	$0. 015
Number of plants at which inspection was conducted	1, 168	1, 430	1, 698

Inspections at point of shipment of timber and lumber

[Data does not include poles, piles, ties, knees, or similar material]

	1923	1924	1925
Total amount inspected (feet b. m.)	14, 123, 175	24, 547, 721	20, 972, 707
Amount accepted (feet b. m.)	12, 682, 800	21, 497, 452	18, 705, 772
Percentage rejected	10. 19	12	11
Inspection cost per thousand feet (b. m.)	$0. 97	$0. 70	$0. 77
Value of lumber and timber inspected	$783, 268	$1, 329, 633	$978, 356
Average inspection cost per dollar value	$0. 017	$0. 013	$0. 017
Average value per thousand feet (b. m.) of accepted lumber	61. 76	54. 16	$46. 65
Number of mills at which inspection was conducted	580	704	701

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ANNUAL REPORT OF THE CHIEF OF THE BUREAU OF ENGINEERING

NAVY DEPARTMENT,
BUREAU OF ENGINEERING,
Washington, D. C., 15 September, 1925.

From: Chief of Bureau of Engineering.
To: Secretary of the Navy.
Subject: Annual report for fiscal year 1925.

The fiscal year covered by this annual report terminates the period of incumbency of the present engineer in chief. This postwar period has been a crucial one for the Navy. Following any war of great magnitude, where the general public has become aware of the horrors or war, the prevention of which is the mission of its regularly maintained defense forces, there has almost invariably come a reaction taking the form of antipathy to anything savoring of the military. Reduced appropriations are the rule under these circumstances, and a lowered morale of personnel as well as the general deterioration of the defense arms of the Nation can only be prevented by the closest and most devoted and skillful leadership. New construction is reduced to the minimum. Reduced funds do not permit meeting the annual deterioration which takes place in all forms of machinery. Uncompleted repairs constantly accumulate. This bureau has realized the conditions and has striven to minimize the serious defects that necessarily result. Its efforts have been concentrated upon the elimination of waste and the wise expenditure of every dollar intrusted to it, all with the idea of securing safe, reliable, and efficient machinery for our fleet. The bureau personnel has shown unremitting zeal and a genuine loyalty to this principle.

That this has been steadily accomplished is evident from the following tabulations, which have been prepared from the most reliable data available.

1. *Safety*, as indicated by a decrease in injuries to members of the engineering department:

Calendar year	Total injuries to engineering personnel due to wounds and casualties	Per cent decrease from 1921	Injuries per 1,000 miles steamed
1921	2,431		0.8103
1922	1,748	28.9	.4855
1923	1,519	37.5	.3380
1924	1,562	35.7	.3466

2. *Reliability*, as indicated by the number of miles steamed per breakdown of machinery:

Fiscal year	Miles steamed per breakdown		Increase in miles steamed per breakdown	
	Battleships	Destroyers	Battleships	Destroyers
			Per cent	*Per cent*
1924	8,905	11,148	----------	----------
1925	15,926	16,158	79	45

3. *Economy*, as indicated by the change in the improvement factors:

Fiscal year	Improvement factor		Per cent increase in improvement—		Submarines
	Battleships	Destroyers	From 1922—battleships	From 1923—destroyers	Gallons per ton-mile
1922	----------	----------	----------	----------	0.0112
1923	1.043	----------	4.3	----------	.0105
1924	1.004	1.042	4.7	4.2	.0090
1925	1.048	1.053	9.7	9.7	[1] .0070

[1] Average, 9 months.

Although the machinery of practically every vessel of the Navy is susceptible of considerable improvement by alterations, more or less expensive, and although such improvements have been requested and planned to an amount exceeding $40,000,000, lack of available funds has prevented considerable expenditures for this purpose without unduly sacrificing the operating availability and efficiency of the machinery as now installed. The present condition of the machinery of the fleet can be quickly determined from the fact that during the recent Hawaiian maneuvers of the entire fleet and the subsequent Australian cruise of the Battle Fleet no serious engineering casualties were reported on any class of combatant vessel. As the maneuvers were intended to simulate the instant availability required in time of war, it may reasonably be concluded that the machinery of the fleet is fit and ready in accordance with its design.

The foregoing condition is due to the policy of self-maintenance of the fleet and to the excellent support given to engineering by flag officers afloat. The worthiness of the engineering personnel has improved steadily. Supporting this basic policy and assisting in its successful accomplishment, the expenditure of engineering funds for any purpose other than for the direct benefit of a vessel of the fleet has been restricted to the absolute minimum. The use of material already purchased and paid for has been encouraged, and the allotment of funds directly to vessels has been in no case less than the maximum requested by the flag officers in direct command.

Expenditures for the maintenance of shore stations have been inadequate. The equipment of these stations requires increasing expenditures in order that they may be able to perform their functions in naval maintenance. The development of self-maintenance

of the fleet has been great, and the machinery of the fleet was ready for the recently completed maneuvers, as is indicated by entire freedom from serious breakdowns.

The false doctrine that any military improvement or that any improvement in the military value of a ship should be accomplished irrespective of its cost has given place to the moral doctrine that it is the primary function of naval administration to furnish the maximum possible defense to the country for every dollar of expenditure. This change in generally accepted naval policy can be traced directly to the fundamental policy of economy. It is the opinion of this bureau that enforced economy has benefited the Navy by eliminating extravagance and waste, by developing thrift and thoroughness, and in particular by developing the skill, zeal, and character of the naval personnel.

It is pertinent to invite attention to the fact that all material wears out with age or becomes obsolete or inadequate for the purpose originally intended. Replacements of obsolescent material, including ships, is an essential to the maintenance of a fit and ready navy. Assuming the average life of a naval vessel at 20 years, it is necessary that replacements in the form of new construction should be provided at a rate, allowing for casualties, in excess of $75,000,000 annually. This amount greatly exceeds the amount being spent for new construction in our Navy; and the Navy, as far as its material is concerned, is therefore absolutely less efficient each year than it was at the beginning of the year. This has no reference whatever to the relative efficiency of our own or any foreign navies, but merely takes into account the annual depreciation of the naval force, the book value of which is $1,500,000,000.

Funds applied directly to naval vessels.—It is worthy of note that each successive year shows an increased percentage of the total appropriation "Engineering" expended directly on vessels of the fleet, as given in the following table:

Year	Total appropriation	Overhead and other expenses	Expended on ships	Percentage on ships
1921	$29,050,000	$12,537,149	$16,512,851	56.8
1922	20,500,000	6,393,909	14,106,091	68.8
1923	14,795,000	4,603,444	10,191,556	68.9
1924	14 440,000	4,063,731	10,376,269	71.8
1925	17,550,000	3,846,199	13,703,801	78.1

The above comparative data indicate that progress is being made in the direction of safety, reliability, and economy. The data also indicate that there is much future progress in these directions to be made.

PERSONNEL

Personnel, general.—The Bureau of Engineering is classed as one of the material bureaus. As such it supervises the design and installation of those portions of the machinery plant of the ships under its cognizance. In its design the bureau plans to achieve safety, reliability, and efficiency in naval machinery. Of the above

the efficiency is inherent to the machinery, and with reasonable operation this efficiency can be reproduced on board ship. The reliability of machinery is also largely a function of design in that the materials and their arrangement must be correct for the duty required. However, there is an element which enters into both the safety and the reliability of the machinery, outside of the control of this bureau, namely, the operating personnel. An installation may be designed with an extremely high degree of efficiency but it may be so complicated as to be beyond the intelligence of the operating force. A successful design must be such as to render overhaul and replacement of parts easy, and it must be so simplified and standardized that the average personnel in the Engineering Department may obtain the designed efficiency without undue labor or special training. The bureau, therefore, is deeply concerned with the question of the supply of skillful and zealous commissioned and enlisted personnel. The development of efficient design must go hand in hand with the development of efficient operators.

Personnel, commissioned.—Due to the rank of the present officers performing engineering duty only, only a very small number of them will be available for duty as engineer officer of capital ships, and the service is confronted with the fact that it must rely upon the remainder of the commissioned line personnel for the operation of the machinery afloat. In order to obtain the maximum efficiency from the engineering department on board ship it must be kept on the same plane as ordnance or navigation, namely, that it must always be considered as an essential for promotion and command. In that light, officers must expect the detail of engineer officer as much as they expect that of gunnery officer or navigator if they are to be selected for promotion, and they must prepare themselves for this eventuality.

Officers for engineering duty only.—The Navy must continually keep abreast of developments in engineering and be ready to select those that give promise of increasing the efficiency of the fleet's machinery. Many schemes are being tried out on land stations, few of which are adapted for naval service. To select these with discretion necessitates thorough familiarity with the whole engineering field. The knowledge necessary for wise selection must be based upon experience, and such experience can only be gained by continuous study. The officers selected for engineering duty only, by reason of their restriction to the performance of such duty, have this opportunity, and steady improvement in the designed efficiency of the machinery installations is a direct result.

It does not suffice, however, that officers selected for engineering duty only be allowed to remain on shore duty connected with design or administration. By so doing they gradually lose contact with the problems of the operating engineer. The policy of this bureau is to place on board ship only such installations as can be operated in a safe, reliable, and efficient manner. In order that this end be constantly attained it is highly desirable that the officers selected for engineering duty only be afforded ample opportunity to go to sea. Under the present law this duty is available until they attain the rank of captain, after which there is no legal method by which this can be done. It would appear that the law should be amended to permit such officers to go to sea in the grade of captain.

should be a matter of policy that the engineering member of any staff be an officer for engineering duty only. With the promotion during the next year of 10 lieutenant commanders and 5 commanders the engineering duty only list will consist of 1 rear admiral, 14 captains, 37 commanders, 6 lieutenant commanders, and 7 lieutenants, a total of 65.

Attention is invited to the predominant number of commanders who are by law available only for staff duty afloat. In order to give these officers proper rotation at sea it should be made a matter of fixed policy to provide the maximum number of billets at sea where these officers may legally be employed.

Postgraduate officers.—It has been shown that the question of design is provided for in the group of officers selected for engineering duty only and that these officers are for the greater part not available for sea duty. It remains, therefore, for the operating engineering afloat to be handled by the remainder of the line personnel. For this we must rely upon those officers who have taken postgraduate instruction in engineering. It might be mentioned here that statements are often made that engineering requires only the simplest knowledge of mechanics, but when the installation of one of the electric-drive battleships is compared with that of a ship 15 years ago the futility of such comments can be readily seen. Improvements in machinery are constantly being made, and it is not sufficient to rely upon the theory received as a midshipman. An officer gains valuable practical experience in operation at sea, but unless he understands the theory underlying the design he can not get the best combined efficiency from the complete installation. It is practically impossible to obtain such theoretical knowledge at sea on account of the demands made upon the officer's time, hence the necessity for the establishment of postgraduate instruction ashore to supplement the practical training afloat. Officers normally serve five years at sea before being allowed to take the postgraduate course, during which time they become familiar with the needs of the service afloat and are in a good position to appreciate the value and relative importance of the general engineering requirements.

At present there are about 250 officers who have completed postgraduate instruction in all forms of engineering, with about 98 now undergoing such instruction. Of these 250 officers 28 are engineering duty only officers who are, or expect to be, commanders at the end of the next fiscal year, while 24 are already, or will be, commanders, not engineering duty only, within the next year. This will leave about 198 postgraduates available for sea duty in the engineering departments and for shore duty connected with engineering. Many of the above are on duty not connected directly with engineering problems, as it is not the policy to restrict any postgraduate to the subject in which he specialized while taking this course, but their knowledge is being spread throughout the service, and the value of their training is already felt.

For the adequate operation and maintenance of the fleet's machinery a steady flow of these postgraduates is desired, and it is estimated that not less than one-third of the total of the Naval Academy graduates should eventually take this instruction. This requires that the number of officers selected annually for post-

graduate instruction be between 70 and 90, and it is strongly recommended that a definite policy regarding the number selected be announced. It is felt that much of the engineering progress afloat is due to the knowledge and initiative of these postgraduates, and, to maintain the high standard required this number should be fixed and not subject to curtailment.

Personal, enlisted.—It has been noted from the various reports of full-power trials that, in general, the number of petty-officer ratings and experienced men are below the prescribed complements. It is further noted that this condition is more pronounced in the fireroom force than in the engine-room force. A survey of the engineering casualties indicates that the greatest percentage of casualties attributed to the personnel occurs in the firerooms. The bureau is of the opinion that it is essential to engineering efficiency and safety on destroyers to operate them with complete and experienced engineering complements, and that a decrease from the standard complements, both as regards numbers and experienced ratings, is attended with grave possibilities.

Training of personnel afloat.—As pointed out previously, the operation of the machinery plants afloat must be carried on by line officers. A great amount of assistance is being rendered by the postgraduate officers who are returned to the fleet with increased knowledge of engineering, but these officers form only a small portion of the total number that is necessary to fill the engineering complements of the ships. *The value of postgraduate courses in engineering subjects for line officers was most ably demonstrated during the past year when three officers who had been given these courses brought a battleship's standing in engineering performances from near the bottom of the list to the very top. They ascribed this accomplishment to the postgraduate course they received in engineering.* Such a performance clearly demonstrates that the time and money involved in such instruction are wisely spent, but it reaches far beyond this. The fighting efficiency of the fleet is improved, the vessel's cruising radius is improved, and Government funds for operating, fuel, and consumable supplies have been conserved. For these reasons this bureau urges postgraduate instruction for as many officers as possible. It can not be too strongly impressed upon the higher commands that, unless a definite policy is maintained regarding the training of all grades of officers in engine-room duties, the efficiency and reliability of the machinery plants must suffer. Great strides have already been made afloat in this respect regarding the training of junior officers, but it seems that there is a definite lack of uniform and directed training of officers for the position of engineer officer. At present there is usually too great a difference in rank and experience between the engineer officer and his senior assistant to permit the senior assistant to take over the engineer officer's duties in case of detachment. This condition should be remedied by the detailing of more senior officers as assistants to the engineer officer. This discussion of the necessity of training officers for engineering duty applies with equal force to the training of officers for communication and radio duties, and serious thought should be given to its successful accomplishment by the forces afloat.

Reserve force.—In time of national emergency it will be necessary to supply a large number of officers to all classes of ships. It will probably be necessary to detail a nucleus of regular officers of the service to each ship. But for the greater part of the engineering complement, recourse must be had to officers commissioned from civilian life, and it must be pointed out that the efficiency of the fleet will be directly affected by the character and the skill of these officers. Consequently, this bureau is taking special pains to cooperate in every way possible with the Bureau of Navigation in the successful development of the reserve force and the establishment of the Reserve Officers' Training Corps.

APPROPRIATIONS AND ALLOTMENTS

The funds provided for the support of the bureau during the fiscal year 1925 were as follows, the amounts for the preceding year being shown as a matter of comparison:

	1925	1924
Engineering	[1] $17,550,000	$14,440,000
Engineering experiment station, U. S. Naval Academy, Annapolis, Md	175,000	175,000
Salaries, Bureau of Engineering	[2] 283,800	254,000
Allotments to the bureau from appropriation under Secretary of the Navy:		
Contingent expenses, Navy Department	4,420	5,170
Printing and binding, Navy Department	24,500	----------
Funds appropriated under joint appropriations:		
Alterations to naval vessels	1,000,000	----------
Increase of Navy	25,450,000	19,097,000
Scrapping of naval vessels (available until June 30, 1925)	2,500,000	----------
Total	46,987,720	33,971,170

[1] Includes $2,100,000 for improvements to machinery of vessels and for developing and testing submarine motive power.

[2] Includes $24,808 formerly appropriated under "Increase of compensation" and $8,726 for increases on account of "the classification act of 1923." During the fiscal year 1925 a reduction of five members of the clerical force, whose total pay amounted to $7,320, was effected in the bureau.

MAINTENANCE OF THE FLEET AND ADMINISTRATION

Administration.—During the past four years the Bureau of Engineering has adopted a number of policies and methods of procedure with a view to securing improvement in the administration of its affairs, and also looking forward to improving the safety, reliability, and economy of the machinery of ships of the fleet.

On March 1, 1925, after a consideration of the subject extending over several months, a reorganization of the bureau was put into effect. This reorganization created a financial division to keep all of the financial records of the bureau and, under the chief of bureau, to administer the expenditure of all funds under the cognizance of the bureau. The reorganization abolished the electrical division and merged it with the design and ships repairs division. This merging was logical for the reason that electricity is no longer considered a special subject in the Navy, it forms a part of all engineering afloat. In addition to the above, the reorganization consolidated the sections of the divisions handling the same classes of ship, thus making it possible for these officers and the civilian personnel to be continuously informed as to the conditions existing on old ships and as to the design of new ships. It has been possible, by this reorganization, to reduce the number of civilian employees so that the estimate of

funds required for this purpose during the fiscal year 1927 is $10,000 less than that expended during the fiscal year 1925. All material is now handled in only two offices, one where requisitions are prepared and the other where all records of material on hand are kept and shipment orders issued. Through the close scrutiny thus made possible, savings in purchases during the fiscal year amounted to an appreciable sum.

The most important contribution of the bureau to the engineering profession, both naval and civilian, during the past four years has been the issue of the "Manual of Engineering Instructions." This manual is designed to instruct in the operation, the care, and repair of all machinery installed on board ship under the cognizance of the Bureau of Engineering. Twenty-four chapters of the total number of 39 chapters projected have been issued to the service. The manual is prepared on a comprehensive scale. The various chapters are made up in pamphlet form to facilitate the distribution to the enlisted men on board ship. The effect of a manual of this character has been an increased knowledge on the part of the personnel of the machinery of the ship, and an increased ability on the part of the ship's force to make their own repairs. Its publication has tended to improve the character of the personnel and to make the fleet more nearly self-sustaining.

It costs approximately $2.75 to install $1 worth of material, or a total of $3.75 for labor and material, using navy-yard labor. If the same material can be installed by the forces afloat the cost to the Government is $1, or only that for the material. Entirely apart from the large saving thereby caused, self-maintenance is of untold value. It may mean the difference between success and failure in a naval campaign. The value of material used by the forces afloat during the past four fiscal years is as follows:

Fiscal year 1922	$335,676
Fiscal year 1923	421,749
Fiscal year 1924	500,828
Fiscal year 1925	1,117,390

For the fiscal year 1925, therefore, the equivalent labor cost for the material installed by the forces afloat is approximately $3,000,000.

The bureau has done everything in its power to stimulate this condition. The repair forces afloat have responded splendidly, and it is safe to say that without this effort the fleet to-day would be in a more unsatisfactory material condition than it is.

In its efforts to stimulate self-maintenance, the bureau took the leading part in instituting a new allotment system afloat. Under this system each ship receives its regular quarterly money allotment to which to charge the ordinary operating expense. It provides for the allotment of additional funds to the fleet commanders, which they may, in turn, reallot to ships to enable the purchase of material with which to accomplish repairs. The bureau has followed this policy because every dollar that has been expended for material by the forces afloat has meant a saving of approximately $2.75. This system has worked well.

Every effort has been made to secure the maximum use of material in the appropriation purchases account. Immediately following the war large quantities of appropriation purchases account

material were in store. This material, however, has been picked over so that at the present time the most useful of it has been used.

There was used during the fiscal year 1923, $3,520,640 worth of appropriation purchases account material; during the fiscal year 1924, $3,023,012 worth; and during the fiscal year 1925, $3,047,567 worth of appropriation purchases account material. Every dollar's worth of this material that is put into service actually saves a charge of an equal amount to the current appropriation.

During the fiscal year 1925 the bureau undertook a program of making improvements in the design of ship machinery. An appropriation of $2,100,000 was secured for that fiscal year, and $1,100,000 for the fiscal year 1926, in each case the funds being made available immediately upon the approval of the act. Of the amount available during the fiscal year 1925, $600,000 was for the purpose of improving submarine motive power in actual service. The balance of $1,500,000 was devoted to making improvements to the machinery of the fleet, such as the installation of low-pressure distilling plants and the installation of individual blower burners on boilers for the more economical burning of fuel oil, etc. These improvements have accomplished a greater efficiency of fuel expenditure and have increased the cruising radius of the ships, thus giving the ships a much greater military value.

Throughout the past four years the engineering appropriations have been inadequate. At the end of each fiscal year the bureau has received from all navy yards reports of all items of work outstanding on ships, with the estimated costs to complete. With the appropriations available this work load has increased every year.

	1922	1923	1924	1925
(a) Ships in commission—Outstanding work at navy yards	1,702,912	1,805,026	2,256,844	2,733,367
(b) Ships out of commission—Outstanding work at navy yards	238,595	589,963	740,397	646,699
(c) Total at navy yards	1,941,507	2,394,989	2,997,241	3,380,066

The foregoing does not take into account necessary urgent repairs pending but not authorized, conservatively estimated over $1,500,000.

From the above table it will be noted that the authorized outstanding work at navy yards on ships has increased from $2,997,241 to $3,380,066. The amount of money spent for repairs during the fiscal year 1925 was $1,938,000 more than was spent during the fiscal year 1924. This large increase is due entirely to the increased age of ships and the service they are performing. The cost of each succeeding overhaul for the different classes of ships is increasing. This is due to the age and normal wear of the fleet's machinery. The fleet must be kept in training at all times for purposes of national defense, which necessitates cruising and operation of the machinery. The cost for this purpose is a very small percentage of the Government's gross appropriation. Unfair comparisons have been made of the pre-war and postwar costs of maintaining the national defense. These comparisons have been made by those who ignore, either through intention or through lack of information, the fact that the

purchasing value of the dollar in 1914 has decreased to less than 60 cents in 1925. This is a condition which all Government appropriations must face. As to the economical use of funds this is accomplished through careful administration and close scrutiny before the authorization of expenditures for any purpose. In addition, all ships of the fleet are placed in competition, and the records disclose that considerable savings in fuel per knot steamed have been made during the past four years.

ENGINEERING DEVELOPMENT

During the past four years much time and considerable money has been expended in searching out new designs of radio and sound apparatus, in development of steam-turbine material and of Diesel engines. A new gas engine has been designed for installation in motor boats and has been put into production. While the first cost of this engine is slightly more than the former bureau engine, there is every indication that it will be more reliable, more economical of fuel, require less overhaul, and have a much longer life.

The majority of all of the specifications for engineering material have been rewritten, as a result of tests, to define the quality required, thus securing a higher grade of material at no greater cost than was previously available. In many cases it was found possible to cancel Navy specifications for certain materials, it being found that commercial grades were entirely suitable for use. In this way much material is being obtained at greatly reduced prices. It is interesting to note that a considerable number of Federal specifications for engineering material have been adopted from those prepared by the bureau and have proved successful in the fleet. Extensive tests of lubricating oils have for a number of years been carried on at the Engineering Experiment Station, at Annapolis. As a result of these tests, standards have been established under which the Navy is obtaining lubricating oils at greatly reduced prices.

Fleet improvements and operation.—Improvements in the machinery of the fleet, together with systems of instruction regarding the operation, care, and repair of the machinery, which are based on the Manual of Engineering Instructions and special instructions issued by the fleet commanders, has resulted in increased efficiency of operation and more miles steamed per breakdown.

This condition, however, does not permit of lulling ourselves into a state of false security. As before stated, the uncompleted authorized work pending at navy yards has increased to dangerous proportions; and unless adequate funds are provided to absorb the accumulated work load, the effectiveness of the motive power of the fleet to meet national emergencies will be seriously impaired. Machinery will wear out, unless properly maintained, in proportion to its age, mileage, and service demands. Funds for this maintenance will be included in the estimates for the annual appropriation budget.

Engineering performances.—The bureau considers that the holding of the prescribed full-power and smoke-prevention runs constitutes a fair test of the material and personnel. It has been thought, however, that there is a tendency to subordinate these trials to the exigencies incident to the carrying out of the gunnery schedule and

various operating duties. The bureau is of the opinion that any subordination of engineering trials to other elements of fleet training is not conducive to fleet efficiency. For some time the relative battle efficiency merit has been awarded on the basis of 60 per cent gunnery merit and 40 per cent engineering merit, such award of merit based upon the above ratio giving undue value to gunnery over and above engineering. The results of this ratio are indicated by the fact that during the competition year 1923–24 the records in gunnery, including all its phases, were attended with marked improvements, and that the engineering performances were classified in general as unsatisfactory. Of this unsatisfactory condition the bureau attributes 20 per cent to the inherent weaknesses in certain war-time designs or material and 80 per cent to failure on the part of the personnel. The bureau believes that in the interest of engineering efficiency, engineering training, and the resultant effect upon the readiness of the fleet for battle, the final merit should be awarded strictly on a 50 per cent engineering and 50 per cent gunnery basis.

Standardization.—One of the chief factors necessary to render this Nation ready in time of national emergency is the complete standardization of materials and methods wherever applicable. Industrial developments have progressed so rapidly within the last decade that various industries have been forced to develop standards of their own, and it is only recently that extensive steps have been taken by the manufacturers and by the Government to coordinate these various standards and specifications of related industries. The country as a whole is just awakening to the economic advantage of such standardization. There are several agencies within governmental control which are closely allied to those organized under the auspices of national engineering societies. Among these are the Federal Specifications Board and the National Screw Thread Commission, the latter being established by act of Congress. This bureau is participating extensively in their activities, and it is believed that the adoption of the standards promulgated by these bodies will be of value in the future. As a matter of record, there follows a list of activities outside of the Federal Government through which this bureau is cooperating to establish standards or to promote standardization and simplification:

American Engineering Standards Committee.—Electrical installations on shipboard; executive committee; insulated wires and cable; main committee; numbering of steels; petroleum products and lubricants; pipe flanges and fittings; plain limit gauges; standards of electrical symbols; welded seamless steel pipe; welded wrought-iron pipe.

American Institute of Electrical Engineers.—Marine applications; radio standardization.

American Marine Standards Committee.—Condenser tubes and furrule; executive board; fire brick and refractory cement; gauges and instruments; hose plugs and couplings; lubricating systems; manifolds and pipe flanges; piping and machinery; rules for boilers and pressure tanks; shafting, bearings, and propeller hubs.

American Society of Mechanical Engineers.—Machine tool committee.

American Society for testing materials.—Asbestos and magnesia products; coal and coke; flash points; ingot copper; nonferrous metals and alloys; plate tolerances; stay-bolt and engine-bolt iron; steel, forgings, billets, castings, tubing, bar steel, boiler steel, and pipe; wrought iron, merchant bar iron.

International Electrotechnical Commission.

National Electric Light Association.

RESEARCH—DEVELOPMENT—TESTING

A high efficiency is demanded from naval machinery, in that the greatest amount of power must be supplied with a minimum weight of installation and a maximum utilization of the fuel carried on the ship. In this respect the conditions are more severe than the ordinary requirements of commercial plants on shore. There is thus a steady demand for materials which will stand a greater loading with satisfactory reliability and as light in weight as can safely be incorporated in the design. Higher pressures and higher temperatures are constantly being advocated, which means that the metals must be subjected to stresses never before attempted. Before such new materials can be incorporated in the design of machinery a vast amount of research and experimental work must be performed. The bureau is constantly taking advantage of the facilities offered at the experiment station at Annapolis in the way of testing and developing engineering materials and at the Navy fuel oil testing plant at Philadelphia as regards engineering materials and fuel oil burning apparatus, and recognizes the necessity of ample and well directed research in the solution of the many engineering problems presented to it. There is no substitute for the activities of these two important naval plants for investigation, test, development, and research work in naval engineering. Their activities are directed by naval engineers who know, from practical operation and experience afloat, the needs of the service. The United States Naval Engineering Experiment Station and the fuel oil testing plant have greatly assisted the bureau in the selection of engineering materials, the furnishing of data for specifications, and the saving of funds incident to the failures of materials on test that probably would not have been discovered before installation. They have demonstrated their value to the Navy, and hence to the Government, many times over and above their cost of maintenance. Wherever possible, close cooperation is being had with the various research laboratories conducted by manufacturing organizations to the end that the Navy may obtain the benefits of such research. There is a movement under way at the present time to coordinate the research facilities of the entire Federal Government. The Naval Research Laboratory has continued to render valuable assistance to the bureau in its development and application of radio and sound apparatus, chief among which are the high frequency sets, crystal controlled sets, and special sound transmitters and receivers.

UNITED STATES ENGINEERING EXPERIMENT STATION, ANNAPOLIS, MD.

During the portion which has elapsed of the present fiscal year, July 1, 1924, to May 25, 1925, there were 298 new tests assigned to the station. During the same period there have been submitted 531 reports on tests of engineering materials, appliances, and apparatus for the Navy.

In addition to the routine and inspection tests of materials and equipment for the Navy, the station carried out the following investigations and tests of particular interest:

Metallurgical laboratory.—Continued investigation of the effect of sulphur on steel, in cooperation with the Joint Committee on Technical Societies, Bureau of Standards, War Department, etc. The effect of sulphur on machinery steel is now being studied.

Investigation of the lateral compression test of condenser tubes in comparison with other physical tests.

Investigation of corrosion resistant steels has been continued and several reports have been submitted. These reports have been used as a basis for tentative specifications, which have been prepared by the bureau, for turbine-blading material.

Investigation of failed turbine blading has also contributed to the information necessary for use in specifications.

Investigation of the endurance properties of metals has included the endurance range of steel, development of an accelerated fatigue test, and investigation of the endurance properties of corrosion resistant steels and nonferrous metals.

A number of reports have been made on the endurance properties of alloys of nickel and of copper, including the common brasses and bronzes, covered by Navy specifications. The first definite information has now been obtained on the effect of chemical composition of these alloys, also information on the effect of cold working on endurance properties. The results of these investigations have been published in a number of technical journals.

Investigation of the effect of reduction in forging on physical properties has progressed to the point at which a report may soon be expected.

Mechanical laboratory.—Tests have been made on the following equipment and materials:

Distant-reading thermometers.
Taps and dies.
Air separators for feed-water lines.
Temperature regulators for fuel oil.
Evaporative tests of coal from 18 mines.
Pump valves.
Gauge-glass equipment for boilers.
Boiler safety valves.
Spark plugs.
Acetylene starting equipment for gasoline engines.
Patented fuel for gasoline engines.
Carbon packing rings.
Shale oil for internal-combustion engines.
Fuel-oil meters.
Tachometers for submarines.
Steam jet air pump.
Water meters.
Fuel-oil and oil-sludge purifier.
Individual forced-draft blowers.
Evaporators.
Gasoline-engine preheater.
Impulse coupling for magnetos.
Packless radiator valves.
Steam turbine.
Air pump.
Steam-flow meter.
Diesel engine.

Extensive tests of spark plugs are being made from which date for a revision of the present specifications for spark plugs is to be made.

Data obtained from tests of five types of distant-reading thermometers is to be used as a basis for preparation of specifications covering purchase of such instruments.

Tentative specifications for carbon packing rings have been submitted.

New equipment consists of the following:

Fifty-horsepower Navy type "V" marine engine. Complete set of standard pipe-thread gauges.

Chemical laboratory.—Examinations of the following materials, which were submitted by manufacturers:

Lubricating oils.
Packings.
Greases.
Cutting oils.
Rust-preventive compounds.
Gauge glasses.
Boiler compounds.

Inspection tests of samples of the above classes of materials covered by requisition or annual contract, submitted by navy yards and inspectors of engineering materials, were also made at the station.

Investigations for the purpose of drafting suitable specifications were conducted on the following:

Greases.
Corrosion of condenser tubes.
Heat-insulating materials with high temperatures.
Emulsifying properties of lubricating oils in connection with D–2 committee, A. S. T. M.
Oxidation properties of lubricating oils in connection with D–2 committee, A. S. T. M.
Boiler water-gauge glasses.
Frictional and endurance properties of packings for rotary and reciprocating-rod apparatus.
Changes which take place in lubricating oils when subjected to service conditions.
Lubricating oil produced from shale.
Sludges produced in fuel-oil storage tanks.
Methods of analyses of packings.
Various sludges and emulsions produced in lubricating-oil systems aboard ship.

Development of a metallic packing for rotary and reciprocating rods that can be manufactured and installed at small expense with facilities aboard ship.

UNITED STATES NAVAL FUEL-OIL TEST PLANT, NAVY YARD, PHILADELPHIA

1. In general the activities of the fuel oil testing plant cover new design, research development, and comparative efficiency testing of boilers, fuel-oil burners, fuel-oil pumps, boiler accessories for obtaining data, furnace refractories, furnace insulation material, and furnace brick anchor bolts. A school for instruction in fuel-oil burning is also conducted by the plant.

2. The following is a list of important tests of material which have been accomplished during the past fiscal year or are still in progress to determine their suitability for naval use or to meet contract requirements before acceptance or to meet specific engineering requirements and problems:

Fuel-oil recirculating pump, representative of 12 pumps for the airplane carriers.
Duplex electrical CO_2 and pyrometer recorder and indicators
Electrical CO_2 and CO indicators.
Radiant type superheater on Yarrow boiler.
Experimental fuel-oil burners.
Reduction of moisture in dry-pipe steam by baffling in express type boilers.
Smoke indicators, periscope type.
Blower burners for Yarrow boilers of U. S. S. *Nevada.*
Blower burner, cast aluminum fans.
Ascertainment of maximum quantities of oil which can be burned under open fireroom conditions with various stack heights on 4,500-square foot Yarrow boiler.
Mayflower-Lodi and Mayflower-Trenton blower burners.

3. A considerable amount of work has been done on the following tests, which, however, are not yet completed:

Fuel-oil service pump.
Fuel-oil burners on White Forster boiler.
Soot blowers on White Forster boiler.
Rotary oil burner on Scotch boiler for United States Shipping Board.

Fourteen other tests of burners, pumps, and boiler apparatus are pending.

4. *Boiler refractories.*—During the year 108 tests were conducted on refractories and insulations. On July 1 all authorized tests of this character will have been completed. Results have been:

(*a*) The addition of sufficient number of acceptable refractories to sustain keen competition of bidders, thereby reducing cost;

(*b*) The addition to the approved list of several refractories of companies located near the west coast, thereby reducing the price of refractories to the ships and navy yards on the west coast;

(*c*) The addition to the approved list of many brands of plastic refractories resulting in keen bidding and greatly reduced cost;

(*d*) The addition to the approved list of two new brands of insulating brick suitable for high temperatures, which will result in reduced cost due to the fact that there was previously no competition in this field; and

(*e*) As a result of a suggestion by the fuel-oil testing plant an insulating brick was developed capable of withstanding a temperature of 2,500° F., which will materially reduce the cost of upkeep of insulated furnaces.

5. Since August, 1924, simulative service tests in addition to fusing-point determinations and chemical analyses have been conducted on representative samples from each carload or partial carload of fire brick, fire clay, and plastic refractories, and this procedure is now being extended to include insulating brick. In this manner the bureau is supplied with a constant check on the material and quality of workmanship of refractories supplied under contract.

6. *Boiler brick anchor bolts.*—A series of tests are being conducted to find materials suitable for anchor bolts for insulated furnaces, all previously used material having been found unsatisfactory. New materials have been found which are satisfactory under these severe conditions, and further tests are being conducted with a view to finding an anchor-bolt material which is satisfactory and which can be obtained easily and at a reasonable price.

7. Preparations have been made for tests which will shortly be conducted in an insulated furnace of the Dyson boiler during which the actual temperatures existing in the refractory and insulating material will be determined. It is believed that these temperatures will be found to be less than has been the accepted figure heretofore, and if this is the case the requirements for refractory materials can be reduced accordingly. Such a reduction even though it be for only 100° F. will allow the addition of many west coast refractory products to the approved list and will greatly reduce the cost of such materials to the Navy.

8. The fuel-oil school has graduated during the period covered by this report the following officers and men in a course in fuel-oil burning, fuel-oil properties, refractories, and insulations used in marine boilers.

Officers, United States Navy	18
Officers, United States Coast Guard	27
Officers, United States Shipping Board and Merchant Marine	170
Enlisted men, United States Coast Guard	623
Enlisted men, United States Navy	163
Total	1,001

Students have been unanimous in testifying to the usefulness of the course in aiding them to become more proficient in practical operating engineering. The United States Shipping Board reports a very marked increase in economy which could be traced directly to the instruction its officers obtained at the fuel-oil school.

INSPECTOR GENERAL OF ENGINEERING

The Inspector General has continued to exercise close supervision over the inspection districts under his charge, and has rendered valuable assistance to the bureau in this connection.

NEW CONSTRUCTION

Vessels completed.—During the past year 11 vessels have been completed and placed in commission. These vessels represent a total designed horsepower of 212,000. In 1922 seven vessels were completed, with a total designed horsepower of 113,100. In 1923 19 vessels were completed with a total designed horsepower of 340,000. In 1924 19 vessels were completed with a total designed horsepower of 430,000. These 56 vessels aggregate 1,095,100 designed shaft horsepower.

Vessels under construction.—There are nine other vessels under construction at the present time, their status of completion being shown in the appended table.

New construction provided for.—The naval appropriation act for 1925 provided for the construction of a fleet submarine previously authorized, and directed the preparation of plans and estimates of cost for one scouting submarine and one fleet submarine.

Airplane carriers.—Work on the *Lexington* and *Saratoga*, which were originally designed as battle cruisers and later changed to airplane carriers, was resumed in 1922. The main propelling machinery for these vessels is practically completed and is about 60 per cent installed.

Gunboats.—Plans and specifications for the construction of six gunboats recently authorized by Congress have been prepared and sent out for bids.

MODERNIZATION OF THE FLEET

Distilling plants.—The bureau has adopted as standard, installation distilling plants of the low-pressure type, for exhaust-steam vacuum operation, and all new vessels are equipped with this form of apparatus. The distilling plants of many of the other vessels have also been converted to this type. Previously high pressure or live steam was used for distilling purposes; this was a very uneconomical use of steam and, due to the high temperatures, caused considerable scaling of evaporator tubes, which materially reduced the average capacity of the plant. By converting these plants to the

low-pressure type approximately the same temperature range is obtained at lower temperatures, thus permitting the use for distilling purposes of the exhaust steam from various auxiliary machinery. The small amount of scale formed at these low temperatures is easily removable. The result of the adoption of the low-pressure type has been that the vessels are now able to make all the fresh water necessary for all purposes by using steam which has already done considerable work in the auxiliary machinery. The vessels having reported a saving in fuel as a result of the use of this type apparatus of from 5 to 15 per cent.

Fuel-oil apparatus.—Since the beginning of the use of fuel oil in the Navy there has been constant endeavor by the personnel to develop small individual blowers in order to avoid the necessity of keeping the firerooms closed in port and the use of the large main blowers, which are very uneconomical at the low powers required for port use. The bureau has recently developed a steam-driven combination blower burner for the above purpose, and they have been installed on a number of vessels in the service. Economies reported by these vessels run from 5 to 25 per cent in port. In addition to the port economies, the use of a certain number of these blowers on each boiler permits the vessels to steam economically on all boilers at low speeds and be ready on short notice to make full power. This is a distinct military advantage, particularly to cruisers and destroyers, in that it materially increases their radius of action. The small blowers permit the vessel to remain at sea over longer periods and at all times be ready to make maximum speed. The blower burners have an added advantage in that they permit steaming on boilers in a fireroom that has lost its air-tightness due to puncture by shell or other causes.

Oil purifiers.—Oil purifiers have been installed in the lubricating and fuel-oil systems of a number of vessels of the fleets with satisfactory results.

By the employment of the purifiers in the lubricating system the ships are enabled to use the oil over and over again, the purifiers removing all grit and other foreign matter picked up by the oil on its way through the bearings and system. This permits a direct saving in oil, and by the removal of the grit repair and replacement of bearings is greatly reduced.

Purifiers in the fuel systems of oil engines obviates the necessity of frequently stopping the engines to clean injection valves, thus adding materially to the military value of submarine and other oil engine operated machinery.

On oil-burning vessels purifiers are employed to separate the oil from sludge in the bottom of tanks and save it. Before the introduction of the purifiers this oil was pumped overboard with the sludge and wasted.

Refrigerating machinery.—The type of refrigerating machines formerly installed in most of the vessels of the Navy proved to be unreliable in operation and expensive in upkeep. The carbon-dioxide type of machine has now been developed for shipboard use and is being installed in all naval vessels with very satisfactory results. Many of the vessels in commission are having their refrigerating plants changed to this type apparatus.

Soot blowers.—The accumulation of soot and moisture around boiler tubes, particularly above the lower drums, materially reduces the efficiency of the boiler and is extremely detrimental to the tubes. Experiments were made several years ago with soot blowers permanently installed at points throughout the tube nests, permitting the tubes to be kept clean at all times and preventing the accumulation of the deposit referred to above. This results in economy in operation due to higher average rate of heat transfer and reduces the cost of boiler upkeep due to the prolonged life of the tubes. A number of naval vessels have been equipped with this apparatus, and satisfactory reports are being received from them. Other vessels will be equipped as funds and opportunity will permit.

SALVAGED MATERIALS

Funds have been made available by Congress for the accomplishment of major alterations on the *Florida*, *Utah*, *Wyoming*, *Arkansas*, *Texas*, and *New York*. These alterations include the installation of oil-burning boilers, for which purpose boilers from the *Constellation* and *North Carolina* will be utilized. It has also been found possible to use the forced-draft blowers and main-feed water heaters that were purchased for vessels which were subsequently scrapped under the treaty for the limitation of armaments.

The refrigerating machinery purchased for battleships *Nos. 49* to *54* was modified for installation on battleships which were to remain on the Navy list.

In all new construction as well as alteration and repair work since the signing of the limitation of armament treaty the bureau has made use of material left over from war stock and salvaged material from scrapped vessels. This consisted of distilling plants, refrigerating plants, pumps, heaters, coolers, boilers, piping, valves, and a great quantity of miscellaneous material. The use of this material permitted construction work to be proceeded with and ships maintained in service condition that would not have been possible with funds provided by the regular appropriations. This source of material supply without appropriation charge is now practically exhausted.

ENGINEERING DEVELOPMENT

Turbine design and materials.—Due to the increase in speed and power of main propelling turbines and the necessity for minimum weight, difficulties have been encountered in turbine construction particularly in connection with the elimination of dangerous wheel and bucket vibrations, and the development of suitable blade materials. The bureau has made careful study of these difficulties and by availing itself of the most recently developed methods of testing has eliminated to a very great extent the possibility of danger in present and future construction from these causes.

Insulation of boilers and piping.—Due to the limitations of weight and space on naval vessels, insulation of boilers and other heat containers has been a matter which has been receiving close investigation by the bureau in an effort to obtain insulating material light in weight but having high insulating properties. The furnaces o

all oil-burning boilers on combatant vessels are being insulated with calcined diatomaceous earth materials which have recently become available commercially. Laboratory tests and service installations to date have shown a marked improvement in general operating efficiency by the use of this improved insulation. Its use, however, introduced problems in refractory bricking and bolting of same, which are now approaching satisfactory solution. The use of this high-grade insulating material not only increases boiler efficiency but reduces fireroom temperatures and adds to the comfort of the operating personnel.

The higher steam temperatures contemplated have also necessitated the development of high-grade pipe coverings and investigation, and development of satisfactory materials are now well advanced.

Protection of salt-water piping.—On account of its comparatively low initial cost and light weight, copper piping has been extensively used by the bureau for salt-water service. The action of the salt water on the copper requires some form of protection in order to prolong its life. The cost of renewal, however, has been a very large item in the upkeep of machinery installations, and the bureau has been making experiments in an effort to find a suitable protector. A spool piece of cast iron is now being installed in the salt-water piping in such a way that metallic contact is obtained between the copper piping and the cast iron. One of the destroyers which was equipped with this form of protector about four years ago has replaced no piping in any system in which these spool pieces were used.

Protection of shafting.—To protect the exposed portions of propelling shafts from galvanic corrosion. methods of covering the shafts with rubber have been devised and employed on shafts of the *Denver*, *Paul Hamilton*, and *Robert Smith* as an experiment, and the bureau has every reason to believe that this form of protection may be the means of effecting large savings of money for the replacement of shafting which it has been necessary to replace heretofore.

Telephones.—During the past four years there has been a striking advance, improvement, and extension in the use of telephonic means of communication on board all types of naval craft. In addition to the usual commercial type of ship service telephones, there have been replacements of antiquated telephones for battle purposes, and there have been developed telephonic systems to replace voice tubes which previously occupied in large part the status of primary communication. This gradual replacement of voice tubes was in process on large vessels because of the lengths of tubes involved. The definite policy to replace them was necessary, however, on all types of craft largely on account of the dangers incidental to gas warfare. Telephonic systems of communication have been designed for use on dirigibles, on airplanes, on all classes of ships to replace voice tubes, for public address systems on large vessels, local systems for special purposes, such as radio circuits where there are several radio stations on one ship, for amplification of an individual speaker's voice, for use on dirigibles' mooring masts, and for many other purposes.

Searchlights.—Just as voice tubes and telephones within naval craft are essential to coordinate the various internal activities, so external means of visual and of sound signaling are imperative in order that various naval units can be coordinated. The value of searchlights for night signaling has long been recognized, but until

the last five or six years the dominating importance of searchlights for day signaling has not existed. At distances of 10 miles there are only two means of communication in daytime between ships—radio and searchlights. In war it is often necessary to establish radio silence, since the range of radio is relatively unlimited and its distance control is impossible at the present time. A fleet must necessarily cover a large area, but it must have means of communication between its units, so that a distant enemy can not detect it. Efficient searchlights have many other purposes—navigational, in ship formation, in fogs, and uses in connection with gunnery—which can not be dispensed with, as they fulfill a need under certain conditions which star shells can not accomplish. New types of searchlights to fulfill the functions referred to have been developed at much reduced cost and weight. These are now being applied to the fleets of surface ships and of subsurface ships as fast as appropriations are made available.

Telegraphs.—The development of both alternating-current and direct-current telegraphs which do not have arcing or burning surfaces in contact have been one of the signal advances within the Navy during the past four years. These new types of telegraphs have been fully approved, are entirely satisfactory when installed, and will be progressively installed in place of the now relatively antiquated types as fast as funds become available.

Salinity-detecting outfits.—In 1922 the first scientific salinity-detecting system was installed on a naval ship and was such a success that it has been extended or is being extended to practically every vessel of the destroyer, cruiser, or capital ship classes. The object of this system is to detect immediately the existence of small quantities of chlorine in the water used for ship's boilers. If the water in the boilers is kept pure the cost of repairs on boilers is decreased. Since the installation of these salinity-detecting systems, ships no longer use the water obtained from city water mains because of the better quality of the distilled water produced by the ships.

Ship's speed indicators.—Three years ago, in response to the demand of the service, and in continuation of the activity of the bureau, the problem of securing an accurate indication of the speed made by ships through the water was again attacked. Purchase and installation were made of several types of speed indicators which had been previously tested at naval laboratories. However, the bureau is not entirely satisfied, because the types referred to are of foreign manufacture, and it has been very active in developing American manufacture of this type of apparatus. Recently one such American type has been placed on contract which it is hoped will preclude the necessity of going abroad to buy such material. These speed indicators, or patent logs as they are called, all operate on the Pitot-tube principle. Such logs are needed, because with surface and especially with subsurface vessels, the revolutions of the engines per knot vary considerably according to weather, speed, displacement, foulness of bottom, etc. At times the safety of a ship or of a fleet may depend upon the accuracy of such apparatus from a navigational point of view, and at other times the success or failure of the control of gunfire may very easily be gauged by the degree of knowledge of the exact speed of the firing vessel.

Shaft revolution indicator.—At present there is no continuously recording accurate shaft-revolution indicator in existence so far as is known by the bureau. There are many such indicators which are almost accurate. The Navy needs an accurate shaft-revolution indicator and has found it necessary to develop such an instrument through the medium of an American manufacturer. This newly designed instrument is now on test and the bureau has already given preliminary approval and will shortly make a test installation afloat.

Ordnance equipment.—The bureau has kept in intimate touch with every development of ordnance equipment involving electrical features, and has made very extensive installations and improved the existing designs of fire-control systems. Our ordnance instruments on ships are dependent on electrical means of power supply in order to secure accuracy and control. Without these instruments, and the attendant systems of operating them, it is impossible to direct the fire of ships at a distant enemy. During the past four years there has been a continuous improvement of the several systems and the extension of the use of alternating-current apparatus, which for this purpose is the more satisfactory type, as fast as funds have become available.

Portable storage batteries.—Within the past three years the bureau has standardized the various types of portable storage batteries at a marked decrease in unit cost, as well as an increase in the expectancy of the life of the battery, and in the ability to keep them in repair. Interchangeability of various parts of all batteries has been effected and standard specifications adopted which undoubtedly will be of lasting benefit to all the Government services.

Gyro compass installations.—Working closely with the Bureau of Navigation, many new gyro compass installations have been made. Assistance has been given in the development of new types of instruments and control apparatus and in the development of new and improved compasses. It is not enough that a gyro compass will register and transmit the true course of a vessel. This duty must be performed under all conditions of speed and of tactics, in bad as well as good weather, using sources of auxiliary power, in the Tropics as well as in temperate climates, etc. Likewise it is demanded of the gyro compass in the Navy that it assist not only in the navigation of the vessel but in the control of gunfire and of torpedo fire. In all of these considerations the bureau is intimately concerned, and has kept abreast of the demands of the forces afloat for improved, more efficient, scientifically accurate, and rugged apparatus.

Specifications for materials and apparatus.—The bureau has continued and increased its activities in connection with the revision of existing specifications and the preparation of new specifications covering the machinery for vessels afloat and the materials used in the construction and maintenance of the same.

The revision of the General Specifications for Machinery, 1919 edition, has progressed rapidly, and all of the mechanical sections of same were in galley proof form by June 1, 1925. The majority of the electrical sections had also been tentatively completed, and copies of same were in the hands of manufacturers for comment and criticism

considerably before June 1, 1925. Bureau conferences covering the electrical sections started in the latter part of June, 1925, to consider the manufacturers' comments and prepare the final drafts; these sections should be in galley proof form by October 1, 1925.

The bureau has cooperated widely with the Federal Specifications Board and with all specification and standardization organizations in the industrial field, including the American Marine Standards Committee, the American Engineering Standards Committee, the American Society for Testing Materials, the American Institute of Electrical Engineers, etc. Particular effort has been made to adopt as standards for the Navy all nationally accepted commercial standards where the use of such standards on board naval vessels is practicable and does not cause undue complication or materially increase weight over standards already in use. In some important cases the former Navy standards have been broadened and accepted by industrial organizations. The net result of these efforts has been not only a direct reduction in cost for material used in that the Navy standards are thus removed from the special class, but also an indirect cost saving through decreased delay and complication in obtaining material and equipment and an eventual saving by the simplification of replacement stocks at navy yards and stations.

Special efforts have also been made to standardize and apply new materials, such as the corrosion-resisting alloys of aluminum and the corrosion-resistant irons and steels in order to improve the weight factor of naval machinery in the case of the former and to increase the general life, dependability, and efficiency of such machinery in the case of the latter. A special aluminum alloy has been adopted for various fixtures and instruments which not only has resulted in decreased weight, decreased size, and in some cases decreased cost, but also has actually given a new impetus to the aluminum industry in so far as its noncorrosive alloys are concerned.

The extensive original investigation on the fatigue resistance of ferrous and nonferrous metals has also continued, and much information is now available as to the behavior of all common metals and alloys under repeated stress. Results of the original investigation of the fatigue limits of nonferrous metals have been published in technical magazines for the benefit of the public. These reports have been recognized as extremely valuable. An attempt was made to include fatigue resistance as a test requirement in specifications for the first time in connection with materials for turbine blading.

Contemplated increased pressures and temperatures under which materials must function has necessitated considerable investigations of the behavior of metals in particular under these conditions, and the latest specifications now reflect the information obtained.

SUBMARINES

Accomplishments.—A successful and reliable 4-cycle oil engine has been adopted for submarines. This engine is known as the bureau type and is built in the following sizes:

6-cylinder, 450 brake horsepower at 425 revolutions per minute (generator engine).
6-cylinder, 1,000 brake horsepower at 425 revolutions per minute.
6-cylinder, 1,400 brake horsepower at 345 revolutions per minute.
10-cylinder, 2,350 brake horsepower at 345 revolutions per minute.

The last two sizes have similar cylinder units.

This type of engine is of lighter weight, maneuvers better, and is more reliable than any type of engine hitherto installed in submarines.

A satisfactory and reliable power-operated main engine friction clutch has been developed. Previous types of friction clutches proved unsatisfactory and unreliable in service due to slipping, bending of springs and pins, and the frequent adjustments that had to be made to keep them in operating condition.

Investigations have been made of torsional vibration in shafting systems, and methods have been developed to overcome major critical speeds in the operating range of the engines by changing the size of shafting, relocating the large rotating masses of the system, or by the installation of torsional elastic couplings.

Satisfactory types of exhaust-heated evaporators have been developed and are installed on several different types of S boats and the *V–1* to *V–3* class. This evaporator utilizes the waste heat in the exhaust gases and occupies little space as compared with previous evaporating plants on submarines, which consisted of a comparatively large fresh-water boiler in addition to an evaporator.

Indicators, tachometers, and thermometers for oil engines and submarines have been greatly improved. Fuel-oil meters, pyrometers, and distant reading thermometers have been or are about to be installed in the various classes of S boats. These instruments all greatly aid the personnel in the proper operation of the engines and auxiliaries.

New corrosive heat resisting special steel exhaust valves have been adopted for all four-cycle engines on submarines. This material has greatly prolonged the life of exhaust valves on all engines.

Satisfactory installations of oil purifiers in the R, S, and V classes of submarines have been made. The oil purifiers have helped greatly to reduce the waste of lubricating oil on submarines by eliminating the carbon deposits of burned oil and allowing the same oil to be used over and over again.

Highly successful gear types of lubricating oil pumps have been developed. These pumps show improvements over the types of lubricating-oil pumps previously installed in submarines in reliability, less weight, and space occupied and ability to pump with a considerable suction lift.

New cast steel housings for the main engines have been developed and installed in all the O class and some of the R class submarines. The previous housings installed on this class of vessels were bronze and failed after approximately five years of service, due to fatigue of the material. The new housings show decreased vibration in the engines and, due to the improved material, are expected to last the life of the engine.

Diesel engines.—The 2,250 brake horsepower, 6-cylinder, 2-cycle engines have completed successully approximately 1,000 hours running during the machinery shakedown cruise of submarine *V–1*. No major troubles developed on these engines except in the piston heads. It is expected that a change in material may overcome trouble with cracked piston heads.

Electric torsion meters are to be installed experimentally on one vessel of the V class for accurately measuring the brake horse-

power. In submarine installations at the present time there are no means of accurately determining the brake horsepower being developed by the engines except where the propelling motors are sufficiently large to measure the full power of the engines. If service tests of the torsion meters prove successful, the operating personnel will be able to determine accurately the mean effective pressure at any speed, and thus operate the engines within the designed mean effective pressure for any condition of load or foul bottom.

Bureau type 2,350-brake-horsepower, 4-cycle, 10-cylinder engines have been installed in submarine *T–3* for service tests on this type of engine. After trials of this engine in service two types of main engine experimental clutches, one magnetic and the other torsional elastic, will be given service trials on the *T–3*. These clutches are designed for the purpose of eliminating torsional vibration at the operating speeds of the engines.

Engines for the new mine-laying cruiser submarine *V–4* are now under construction at the navy yard, New York. These engines are 4-cycle, 6-cylinder bureau type oil engines and will be rated at 1,400 brake horsepower at 345 revolutions per minute. The cylinder units are identical with the bureau type 10-cylinder engines installed on the *T–3*. One experimental air compressor for the 1,400 brake horsepower engine is under construction. This compressor embodies new design features as applied to oil engines on submarines, as follows:

Sufficient capacity for furnishing injection to two engines running at full power.

Unloading devices for the different stages in order to equalize pressures and temperatures when running at any capacity.

Designed to provide ship's air at 2,500 pounds from the fourth stage. Fourth stage made inoperative when supplying injection air only.

Air-compressor troubles on the engines for the *S–18* to *S–47* class of submarines have been greatly reduced. This has been accomplished by the installation of cast-iron liners in the third-stage cylinders, increasing the lubrication, and providing better alignment. An experimental air compressor has proved successful in service to date. This compressor was designed primarily to permit greater accessibility when making repairs and to decrease the discharge temperature of the air from the different stages.

As a result of the successful operation of experimental pyrometer installations for measuring exhaust gas temperatures these instruments have been purchased for very nearly all of the S-class submarines.

Investigations have been made and a new design of propeller developed for the *S–18* to *S–41* class to permit operation of the engines at rated revolutions per minute and power without exceeding the designed brake mean effective pressure when the vessel is operating under diving trim and foul bottom.

An investigation has been made and plans developed for a fuel-measuring pump, with each plunger timed to inject fuel to the working cylinders at the most desirable part of the stroke.

Plans of a new design of visible air whistle for submarines have been developed. Purchase of one whistle of this type is being made for experimental installation in one of the S-class submarines.

The reengining of the *S–14* to *S–17* class of submarine with bureau-type 1,000-brake-horsepower engines built to the metric system, but otherwise similar to those installed in the *S–10* to *S–13* class, is now under way at the navy yard, Mare Island.

Batteries.—Depreciation costs have been reduced from 25 per cent a few years ago to a minimum of 12½ per cent to-day. This result has been brought about largely by close cooperation between the bureau and the manufacturers, the bureau conducting severe tests at the laboratory at the navy yard, New York, while the companies concerned, open minded as to suggestions, obtained a comprehensive idea of the conditions to be met, and encouraged by the bureau, have been aiding in the development.

The bureau has assisted in the development of a set of educational moving-picture films relating to storage batteries.

Auxiliary-power system.—Auxiliary power and lighting systems for submarines have been developed. These systems include many radical departures from previous practice, tending toward greater reliability under all conditions.

Main motors.—A new ventilation system for main motors of *S–20* has been installed. It is believed this system is a great improvement over other systems and should eliminate many difficulties now encountered due to heating of main motors.

Electric drive.—The success demonstrated with the electric drive on the battleships has led to its adoption in the submarine, the first of which vessels has completed a series of exhaustive tests, and its operation has been successful. It is believed that this design of propulsion is first to be adapted to any submarine in the world, and the trials of the first vessel so equipped have justified the expectations of the bureau. It is a step toward obtaining a more reliable, flexible, and economical submarine propulsion.

Economies.—By ordering a year's supply of replacement submarine batteries at a time a great saving has been accomplished. It is estimated that this has resulted in a saving of $100,000 for the year 1924.

Reducing gravity of electrolyte from 1.250 to 1.210 will increase the life of separators. A complete renewal of separators costs about $6,000 per battery, and the life of the separators has been only about three years. This should result in an actual saving of about $100,000 per year, in addition to the increased military effectiveness of reducing time necessary for such replacements.

Due to the fact that about 90 different makes of portable batteries were in use, making replacements very expensive, the bureau has successfully accomplished the standardization to five sizes, with all parts interchangeable. With this standardization the bureau was also able to secure an increase in life guaranty from two years to three years. Furthermore, in the past batteries had been supplied in the fully charged condition such that considerable deterioration took place while in store. At the present time all batteries are furnished in the dry condition and can be retained in store indefinitely without deterioration. This standardization has resulted in obtaining a much better battery at a considerably lower cost.

Salvaged material and waste products.—The shipment of the storage batteries of *R–23*, *R–24*, *R–26*, and *R–27* to Coco Solo for in-

stallation in O boats has been authorized. When these installations are completed all submarines of that division will be equipped with the same kind of batteries.

REPAIRS—MAINTENANCE

Submarines.—The continually improving performance of submarines has been particularly apparent. Reference to the following table, a review of the past five years' performance, shows a steady increase in reliability and economy. This progress is due in a very great measure to the increased knowledge and efficiency of the personnel as well as to improved material.

Submarine performance, 1920–1925

Fiscal year	Average gallons fuel per ton-mile	Per cent efficient as of 1920–21 gallons per ton-mile
1921	0.0107	100.0
1922	.0112	95.5
1923	.0105	101.9
1924	.0090	118.8
1925 (first 9 months)	.0070	152.8

Gasoline engines.—The Navy standard type V power-boat engine has proven very satisfactory in service. The reports of operation have indicated reliability and durability with only minor difficulties which are being corrected. One hundred and five of these engines have been completed during the year, and the stock now available will be adequate to furnish engines promptly to meet demands. Seventy-two engines are now authorized for construction, as follows:

Type V–2, twelve 2-cylinder engines.
Type V–4, fifty-four 4-cylinder engines.
Type V–6, six 6-cylinder engines.

Minor defects which developed in the transmission, water pumps, and starting mechanism have been corrected. The low-speed gear has been removed from the V–4 and V–6 engines, which has resulted in an increase of 1 to 1½ knots speed over that of previous types.

A policy has been adopted of replacing the old Navy type and the commercial type engines with type V engines when the estimated cost of repairs to the old engine is in excess of 50 per cent of the cost of a new engine. While it will require several years before the former types of engines are replaced with the new standard, much improvement as regards operation, efficiency, and economy due to having one standard type with interchangeability of parts is expected. Funds do not permit wholesale replacements, nor would it be economical to do so as long as the present old types are in serviceable condition.

Maintenance afloat, general.—The continuance of the policy of requiring observance of upkeep schedules has produced gratifying results.

Battleships.—The past year has seen the accomplishment of many improvements, which have progressed throughout the past four years in pursuance of a set policy.

By well-regulated use of the repair ships and by close supervision and cooperation of the engineering personnel of the ships the material readiness for any duty has reached a satisfactory stage. The last quarterly material readiness reports received indicated that but one ship of the Battle Fleet needed more than five days to prepare for extended service.

The cooperation of the fleet, the elimination of alterations not classed as "equivalent to repairs," and funds made specially available have made possible the accomplishment of certain improvements in ships of the fleet. The following shows the more important projects, the greater part of which have been accomplished:

(*a*) Convert distilling plants to low-pressure types.
(*b*) Install intervapor heaters in distilling plants.
(*c*) Install CO_2 refrigerating plants.
(*d*) Install motor-driven feed and fuel pumps for port use.
(*e*) Install motor-driven fuel pumps for cruising.
(*f*) Improve forced-lubrication systems.
(*g*) Install fuel-oil heaters in firerooms.
(*h*) Replace reciprocating feed pumps with centrifugal pumps.
(*i*) Install air ejectors and condensate pumps.
(*j*) Install central control system for firerooms.
(*k*) Install fuel-oil blower burners.

In addition to the above, the following items have been completed on battleships where applicable:

Installation of lubricating-oil separators.
Installation of spring-loaded valves on exhaust casings of auxiliary turbines.
Installation of low-pressure alarms on lubricating oil systems.
Installation of salinity-indicator systems.
Installed additional machine-shop equipment.
Installed soot blowers on *West Virginia*.

All of the above items result in genuine economy either in consumption of fuel or decreased cost of upkeep.

The following alterations, not yet accomplished because of lack of funds, are planned, and will further increase the economy of operation of the battleships and add to their material effectiveness.

Replace main and dynamo auxiliaries with more economical types of units on six vessels.

Replace lubricating-oil pumps with pumps of more economical design on six vessels.

Install system for collecting and condensing turbine gland steam on 15 vessels. Install self-contained air-cooling equipment on main generators of *New Mexico*.

Install self-contained air-cooling system on main motors of six vessels.

In the accomplishment of the improvements, pumps, boilers, refrigeration equipment, feed heaters, fuel-oil heaters, etc., removed from scrapped vessels have been, or will be, used to great advantage.

Destroyers.—During the past four years the bureau has carried a heavy burden in destroyer maintenance, due to—

(*a*) Normal deterioration of condensers and boilers incident to age.
(*b*) Deterioration due to faulty war-time design and material.
(*c*) Lack of proper tender facilities until recently.

In spite of the above, the crisis of destroyer maintenance is passed and steady improvement or efficient and economic operation may be expected, providing these vessels are furnished adequate personnel, receive proper training and instruction, *and receive adequate and uninterrupted periods for machinery upkeep.* The command afloat is

continually training both officers and men, during which training the Manual of Engineering Instructions, supplemented by additional instructions applicable to individual installations as issued by the various fleet and unit commanders, are in effect. In this regard, the Manual of Engineering Instructions proves a valuable aid. Lack of experienced personnel is still keenly felt.

The personnel afloat is voluntarily undertaking an increasing portion of the burden of maintenance which will release funds for the accomplishment of improvements leading to economy and reliability. It is a readier, abler, and more deserving personnel than it was. The zeal of the personnel is responsible for engineering advancement.

A careful analysis of the casualty lists has been made covering the past year and steps have been initiated which will reduce the more common casualties such as "lost fuel-oil suction" and "lubrication-oil system failures." The reliability of operation of the squadrons will be increased thereby. This continues the policy that has eliminated more than half our machinery casualties within one year.

Submarines.—As indicated previously in this report, the progress from a material and an operating standpoint has been marked. Contributing to this progress are (*a*) greater engineering knowledge and skill of the personnel, (*b*) improved methods of operation due to more complete instructions, (*c*) stabilized organizations and elimination of older type boats, and (*d*) improved spare parts with more efficient distribution.

The establishment of a manufacturing yard and of a standard stock for spare parts has permitted quantity production at lower cost as well as insuring improved quality.

Auxiliary vessels.—The acquirement of tenders for destroyers, submarines, and aircraft has added greatly to the self-maintenance of the fleet. During the past few years the following additional tenders have been commissioned:

Destroyer tenders *Altair, Rigel, Dobbin, Whitney, Denebola.**
Submarine tender *Canopus.*
Aircraft tender *Wright.*

In outfitting these vessels, new or additional distilling plants, refrigerating plants, electric generators, and machine-shop tools have been taken largely from appropriation purchases account material salvaged from scrapped vessels.

Pursuing the policy of providing improvements leading to more economical operation the following vessels have been provided with—

Low-pressure distilling plants: *Altair*, *Denebola*, *Black Hawk*, *Antares*, *Brazos*, *Bridgeport*, *Bushnell*, *Canopus*, *Kanawha*, *Cuyama*, *Rigel.*

Blower burner fuel-oil burning system: *Mayflower*, *Canopus*, *Altair*, *Arctic*, *Aroostook*, *Melville*, *Langley.*

CO_2 refrigerating plants: *Gold Star*, *Altair*, *Rigel*, *Denebola*, *Mayflower.*

As funds are available, the remaining principal auxiliary vessels will be equipped with blower burners and low-pressure distilling plants.

*Denebola now out of commission.

Decommissioned destroyers.—Due to the great demands made upon the bureau's appropriation for the maintenance of the vessels of the active fleet, the funds devoted to the upkeep and reconditioning of the large number of decommissioned destroyers at Philadelphia and at San Diego were necessarily limited. Nevertheless, progress in the work of preservation and maintenance has been made. Well-organized forces and facilities for this work exist at both places. The procedure differs in that San Diego employs enlisted personnel, using tender and base facilities, while Philadelphia employs civilian navy-yard force, both under the supervision of naval officers. Great credit is due to both organizations for the work accomplished.

Special engineering material.—The system of accounting for "special engineering materials" in stock at various places has been developed so that the bureau may know at all times the amounts and locations of these materials on hand. Stocks are maintained in quantities based on requirements indicated by past demands.

Propellers.—Repair of damaged propellers removed from vessels was given a high priority for navy-yard work, enabling the bureau to meet requirements for replacement with a minimum stock.

Turbines.—One set of spare turbine blades for one turbine of each electrically driven battleship is now carried on board; also a spare set of blades for one turbine of each type is carried at the Puget Sound Navy Yard.

Sulphur-dioxide ice machines.—Investigation has developed the practicability of repairing this type of ice machine at navy yards instead of by private contract. This reduces the cost of such repairs and saves time in effecting repairs. The military advantage is obvious.

Standard stock.—Standard maximum and minimum stocks of material are maintained as experience shows to be warranted. Many items have been eliminated due to standardization and revision of methods. This is particularly true in the case of special fire bricks, which are replaced by the use of a plastic cement. This results in a very material saving.

Cooperation with other departments.—During the year the bureau has furnished power-boat machinery for the Coast and Geodetic Survey, Shipping Board, Panama Canal, and United States Army Engineer Corps. New boilers have been furnished the Coast Guard for the destroyer *Fanning*. A large quantity of boiler and condenser tubes and spare propellers have been turned over to the Coast Guard for the upkeep of their destroyers.

RADIO AND SOUND

Radio and sound problems.—The Navy is taking an advanced position in the application of high radio frequencies to the naval communication problem, and in this research it is being aided extensively by radio scientists and radio amateurs of the United States, as well as by scientists and amateurs in foreign countries.

The problem of radio and underwater sound communication is an increasingly important factor in the bureau's efforts to maintain and improve the fleet's equipment. The necessity for efficient radio and sound communication in strategy, tactics, fire control, naviga-

tion, and administration of the fleet is thoroughly appreciated by the bureau. The increasing use of aircraft in the fleet has demonstrated that radio communication is a most important factor with this modern weapon of naval warfare.

The bureau's efforts have been concentrated on the development of suitable equipment, with the view of installing in the fleet apparatus capable of meeting the modern requirements. The bureau has consistently cooperated with the service afloat in solving the ever-increasing problems of fleet communications. These problems have resulted in changes of design of instruments, and the new developments have been given a test in service on fleet units, and new and better equipment has continually resulted.

There remains much to be done before radio and sound communication in the fleet is satisfactory, and the bureau plans to continue its policy of accomplishing the essential radio improvements in direct proportion to the funds which may be available and in a proper proportion to the necessary maintenance and improvements to the other classes of machinery.

Accomplishments.—During the past four years the bureau has accomplished the following:

(*a*) *Research and design.*—1. Developed improved receivers and transmitters for ships and aircraft.

2. Developed two-way communication on ships on several channels simultaneously.

3. Developed accurate and practical radio-frequency measuring instruments.

4. Developed a high-frequency allocation plan for ships and shore stations.

5. Developed improved underwater sound transmitters and receivers, sonic depth finder, and a supersonic transmitter and receiver.

(*b*) *Ship installations.*—New or modified apparatus has been installed in ships as follows:

1. Duplex operation on 4 battleships, 5 cruisers, 1 aircraft carrier, and on certain of the important flagships.

2. Spark apparatus having an effective range of less than 50 miles has been replaced on all submarines in commission by tube apparatus having an effective range of 150 miles.

3. Tube transmitters have been installed on all battleships and cruisers.

4. Improved radiocompasses have been installed on battleships and carriers.

5. Installed improved receivers on all ships in commission. Further improved receivers are under manufacture.

(*c*) *Shore stations.*—The outstanding accomplishments during the past four years are as follows:

1. Improved or renewed the installations at Peking, China, Cavite, Guam, Hawaii, Mare Island, San Diego, Sayville, Annapolis, Arlington, Charleston, and several smaller stations.

2. Established four radio stations in Alaska for other Government departments, two for Bureau of Lighthouses and two for Bureau of Fisheries. Transferred two Alaskan stations to the Army Signal Service.

3. The shore radio compass stations continue to give excellent service. The monthly average of bearings furnished is 14,700. Two new stations have been installed in the Canal Zone.

(*d*) *Underwater sound.*—The development of underwater sound apparatus and its installation for practical use on ships has been of less interest to the general service, due to its limited uses. Due to recent improvements of older types and development of newer types, the underwater sound devices are becoming of more service and interest afloat. The following installations have been made during the past four years.

1. Modern multi-spot receivers on 93 naval vessels.

2. Multi-spot receivers on 3 vessels of other departments of the Government.

3. Sound transmitters on 74 naval vessels.

4. Sonic depth finders on additional destroyers and on one surveying vessel. These instruments have been exceedingly valuable in plotting a bathymetrical chart of the Pacific continental shelf and considerable portions of the Carib-

bean Sea. The War Department was assisted in saving of funds in cable laying on the Alaskan route, due to the exhaustive survey conducted with naval vessels equipped with sonic depth finders.

(*e*) *Aircraft.*—The aircraft radio laboratory has been consolidated with the radio section of the naval research laboratory at Bellevue.

New and better equipment for scouting and spotting planes has been developed.

Economies resulting from the bureau's progress in radio activities are in general as follows:

(*a*) Improvements to types have resulted in better communication with less power wasted in repeated messages. This has reduced the cost of the power bill for the stations.

(*b*) Replacement of arc sets by tube sets has reduced the power necessary for transmission at a given range, and in many cases eliminates the necessity for relaying messages. This also is reflected as a saving in power bills.

(*c*) Twenty-two low-power traffic stations have been sold, dismantled, or the property transferred to other Government agencies. These stations were no longer required by the Navy and were discontinued in the interest of economy.

(*d*) Three navy radio compass stations were moved from their location on leased land to land owned by the Government, resulting in a decrease of expenditures.

(*e*) The unit costs of certain radio and sound equipment has been reduced during the past few years, due to standardization of parts and to the care in formulating specifications for purchase on a production basis. For example, the unit cost of compensators for use with the multi-spot sound receivers is $1,350 less than in 1921.

(*f*) Installation and repair work on ships by ships' forces has resulted in a considerable saving of the funds of the bureau with increased knowledge gained by service personnel.

(*g*) Installation of aircraft radio sets on new aircraft is now accomplished by naval personnel instead of the contractor. This has resulted in considerable saving on the contractor's price of the aircraft.

(*h*) Actual economies effected during the past year due to reduction in power costs by improved design, use of salvaged material, and work accomplished by forces afloat have amounted to $258,000.

Specifications.—The bureau, whenever practicable, has made its specifications for radio equipment in accord with the standard commercial practice, and has cooperated with other departments of the Government and with commercial manufacturers in the attempt to standardize radio instruments.

Self-maintenance on vessels afloat.—The majority of vessels of the fleet are now practically self-sustaining in radio repairs and in many cases have accomplished the alterations authorized by the bureau, such as duplexing installations, installing break-key systems, altering the telephone sets, etc.

Engineering personnel.—The bureau has cooperated with the Bureau of Navigation in the establishment of radio and sound and and advanced radio material school for the training of the enlisted personnel. The improved conditions of maintenance and the assistance afforded by the fleet in experimental work are a direct reflection of the advantage and value of these schools.

Present radio needs of the fleet.—The fleet needs modern radio apparatus in large amounts. The principal needs are for reliable battle-line communication, reliable fire-control communication, particularly for aircraft observation, transmitters to replace the obsolete spark sets, and more selective receivers. The necessity for avoiding interference with the public's broadcasting programs re-

quires replacement of part of our sets that now use the broadcast frequencies.

Every ship of the fleet should be equipped with a modern underwater sound receiver, and possibly a transmitter. The necessity for this equipment is greatest for the types of vessels that participate in antisubmarine defense, where the sound activity is concentrated at present.

The requirements of the fleet as established by various fleet communication boards have not yet been met. The numerous channels for simultaneous communication that will be required for tactics and fire control of the various units of the fleet during action present a problem that does not permit of immediate solution. The principal difficulties are the elimination of interference due to harmonics on all the frequencies used and to the ignition interferences in aircraft. The above policies involved have been enunciated and have been accepted by high command afloat as well as the bureaus of the department. This in itself has been a most important step toward the accomplishment of the fleet's requirements. There remains the same step to take in underwater sound, and this is actively under way at the present time.

General aim of the bureau as to the future.—The bureau has a definite program for the accomplishment of improvements and is effecting this program as rapidly as economical distribution of funds will permit. The improvements will eventually result in increased efficiency in communication, reliability in material, a relief from interference with commercial and public radio service, and a direct saving in power consumption.

The question of channels of communication which will reduce interfleet interference has apparently been solved for the present. The design of apparatus to be furnished to the fleet in the near future will be controlled with the present frequency assignments as a factor.

The ignition interference in aircraft is only partially solved, but experimental work indicates that this problem may soon be solved.

A suitable means of radio communication for fighting planes has not yet been developed. The actual requirements for this type of plane are still in question. The type requirements for observation and spotting planes have been presented, and the bureau believes that this year will produce a satisfactory radio apparatus for this type of aircraft.

The bureau's program provides for replacing the remaining obsolete spark sets, ashore and afloat, with tube sets, and gradually the present arc sets with the more efficient and economical high-frequency tube sets.

The radio traffic load and cost per word for the past three years is reported as follows:

	1923	1924	1925
Total words handled	51,699,736	62,127,646	53,192,908
Cost per word	$0.064	$0.052	$0.65
Cost per word to engineering appropriation	0.0303	0.0253	0.032

ENGINEERING INFORMATION

Functions of manual and bulletin.—The Manual of Engineering Instructions and the Bulletin of Engineering Information are two important engineering publications compiled and issued by the Bureau of Engineering. The manual covers the operation, care, and repair of main propelling machinery, Diesel-engine installations, electric plants, boilers, and auxiliary machinery. The bulletin, which is not for public distribution, contains analyses and discussions of machinery and material casualties, operation of both old and new installations, engineering tests, developments and improvements, engineering performances, and items of general professional interest. These publications have proved of value to the naval service, as they embrace all branches of naval engineering.

Standardization of engineering instructions.—The Manual of Engineering Instructions is a standardization of procedure for the operation, care, and repair of machinery, based upon the best engineering practice of the Navy and the technical information available in the bureau. Although engineering instructions have been in effect for a number of years, it was not until 1921 that an attempt was made to standardize methods and procedures for the operation, care, and repair of machinery covering such a wide field and scope. During the past four years the important chapters of the manual, as listed below, have been completed and are now in effect in the naval service:

Chapter No.	Title	Change No.	Number of pages
2	Boilers	6	132
3	Ash-handling machinery	4	6
4	Blowers	10–A	17
5	Fuel-oil apparatus	9	16
6	Boiler feed water and feed-water apparatus	7	33
7, Sec. I	Main propelling machinery—turbines	16	56
7, Sec. II	Main propelling machinery—electric propulsion installations	19	14
7, Sec. III	Main propelling machinery—reciprocating steam engines	18	54
7, Sec. IV	Main propelling machinery—Diesel engines	22	22
8	Reduction gears	27	39
9	Bearings and shafting	17	23
10	Lubrication and lubrication systems	13	26
11	Propellers	8	9
12 and 13	Piping, fittings, and packing, and clothing and lagging	14	29
14	Pumps	1	34
15	Condensers	25	30
21	Power-boat machinery—gasoline engines	28	232
23	Measuring instruments	21	54
24	Generating sets, motors, and motor-control panels	23	22
27	Searchlights	2	16
28	Storage batteries	15	73
31	Radio plants	5	245
32	Sound plants	3–A	36
33	Cognizance of material	24	14
38	Fuel	11	39
39	Tables (engineering data)	29	32
	Miscellaneous corrections and new page substitutions	12	13
	Do	20	7
	Do	26	47
	Total		1,180

The above-listed chapters have proved valuable aids to the naval personnel afloat with respect to maintenance, safety, reliability, operation, and care of the fleet's machinery.

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The following list shows the progress of the preparation of other chapters of the manual:

"Instructions for the operation and care of machinery installations—Destroyers," manuscript completed and ready for printing.

Chapter 16, "Distilling plants," about 50 per cent completed.

Chapter 28, "Storage batteries," revision of this chapter about 75 per cent completed.

Chapter 35, "Laying up and recommissioning machinery," 75 per cent completed.

Since the beginning of the preparation of the manual approximately 1,200 pages of instructions covering the operation, care, and repair of machinery installations have been compiled, printed, and issued. Before the completion of this manual it is estimated that it will contain 2,000 pages.

Issue of manual to other departments, public libraries, etc.—In addition to issuing the Manual of Engineering Instructions to the naval service, the issue of these instructions has been extended to the Coast Guard Service, the Naval Reserve Force, Shipping Board, and, as requested, to other branches of the Government, Members of Congress, universities, colleges, and public libraries.

Judging from letters and requests received, widespread interest is exhibited in the manual by various commercial engineering concerns, technicists, and private individuals in this country as well as by representatives of foreign countries. The same remarks apply, in a somewhat less degree, to the Bulletins of Engineering Information. This is very encouraging to the bureau and to the various individuals who contribute toward the preparation of these publications.

Engineering information furnished general public.—In addition to the foregoing, the bureau continuously cooperates with engineering societies, technicists, manufacturers, and municipal authorities in the solution of engineering problems and furnishes engineering information on a wide variety of subjects, thus rendering service to the general public as well as to the naval service.

ENGINEERING SUPPLIES

Requisitions.—During the fiscal year 8,909 requisitions were approved for a total cost of $9,419,316.25.

Of the requisitions submitted 404 were disapproved, total amount $367,243.

Schedules and awards.—During the year a large number of schedules were received from the Bureau of Supplies and Accounts and the various navy yards for consideration by this bureau prior to award. Schedules are referred to this bureau when the proposals are modified by the addition of technical details and data, when the bids are based on samples or an acceptable list, or when the estimated cost of the requisition has been exceeded. About one-half of the schedules received come under the latter head. Much valuable data is obtained from these schedules, and frequently information is obtained which enables the bureau to bring the specifications in conformity with a high-grade commercial material, thus increasing competition and reducing costs.

The most important schedules handled are those for the annual and semiannual purchase of lubricating oil, packing and boiler re-

fractories. Consolidation of purchases for an entire year in one schedule serves to provide a ready supply of material in strict accordance with the specifications and avoids the necessity of local emergency purchases of nonspecification material at relatively high prices. Consolidation of purchases also involves larger quantities and interests manufacturers rather than jobbers and dealers, with resultant lower prices.

With prices available for a year in advance, vessels can plan to take advantage of the most favorable prices, and thus keep operating costs down. Lubricating oil, for example, is from 5 to 18 cents per gallon lower on the west coast than on the east coast. All vessels operating between the two coasts should obtain their supply of lubricating oil on the west coast. Another example is as follows: The principal sheet packings cost the following prices per square yard in the one-sixteenth inch thickness:

Compressed asbestos sheet packing	$1.496
Asbestos metallic cloth sheet	2.21
Grade 1 cloth insertion rubber sheet	1.57
Brass wire insertion rubber sheet	2.58

Compressed asbestos sheet packing can be substituted in many cases for either of the other three packings, and should be used wherever possible instead of either asbestos metallic cloth sheet or brass wire insertion rubber sheet, at a saving of from 35 to 42 per cent.

The packing schedule for the fiscal year 1926 was revised to provide for the purchase of sheet packing by the square yard instead of by the pound. Later it is planned to purchase rod packing by the yard instead of by the pound. Since packing is used by the linear or square measure, this is the proper method of purchase. Prior to putting it into effect standardization of weight per unit of measure had to be effected.

FUEL

Coal.—In collaboration with the Bureau of Mines an extensive survey of mines whose products have in past years been found to be suitable for use as steaming coal has been under way and is continuing to determine whether these mines are now capable of furnishing coal of the required standard. The survey includes not only the quality of the coal as mined and in the seam, as regards its physical and chemical characteristics, but also the mechanical equipment available for cleaning coal prior to shipment. The bureau expects to attain the two ends of obtaining adequate competition as well as the elimination of mines from the bureau's approved list whose product is below standard. The examination and test of coals from numerous mines is continuously under way at the engineering experiment station.

Fuel oil.—Navy Department specifications covering Diesel fuel oil for submarines have been drawn and are in use. No difficulty has been experienced in obtaining Diesel oil under these specifications.

The bureau is collaborating with the fuel oil testing plant in an attempt to reduce fuel-oil burning to a standard practice, by investigation of the feasibility of regulating the preheating of oil within experimentally determined limits to obtain the viscosity required in the supply system to the burners.

An investigation is also under way to determine the hazards of fuel-oil burning as affected by the preheating of oils under pressure. It is desired to determine whether this treatment releases light fractions and gaseous products which are highly inflammable and may be sources of extra hazard in case of leaks in the vicinity of heated surfaces (such as boiler casings, furnace fronts, and uptakes) whose temperatures are equal to or lower than the fire point of the oil.

Special tests.—During the past year 87 tests of special engineering material were authorized at the various testing plants, 113 were completed, and 10 were canceled; 81 tests were under way at the end of the year.

Practically all of these tests were made on lubricants, packing, and boiler refractories. In nearly all cases a part of the cost of the test was borne by the exhibitor of the material, who also furnishes the necessary samples free of all costs to the Government. Tests of this nature serve a very useful purpose, since many manufacturers do not have the proper facilities for testing their product to determine compliance with Navy specifications. It is believed that the Navy has the most complete testing machinery of any of the Government departments for the testing of lubricants, packing, and boiler refractories. By testing in advance of award of contracts it can be determined that the manufacturers have the necessary knowledge to produce material in accordance with the specifications.

Trouble and delay incident to rejection is avoided and a better understanding is maintained between the Navy and the manufacturer. Very often the manufacturer is enabled to improve his product from the information obtained by these tests.

In addition to making special tests prior to award of contracts, check tests are made at frequent intervals on samples of the material prior to delivery. In practically all tests where award was based on the acceptable list and the manufacturers guarantee to furnish material equal to the original sample remarkably close checks with the original material were obtained. In only two cases during the past year was there any change, and in both cases the brand in question was removed from the acceptable list.

Specifications.—During the year a representative of the bureau was in attendance at all meetings of the subcommittee on lubricants and liquid fuels, packing, and boiler refractories of the Federal Specification Board. Several new specifications for lubricants are under consideration. Twelve specifications on packing material were revised and three specifications on boiler refractories were adopted.

The same representatives attended several meetings of a board appointed by the chief coordinator to investigate a method of purchasing lubricating oil for other departments on the basis of lowest cost per unit of service instead of the lowest cost per gallon. Consideration is now being given by the chief coordinator to the adoption of a plan very similar to that used by the Navy—i. e., purchase from an acceptable list by "brand name" guaranteed by the manufacturer to be maintained at the standard set by the test, and check tests of the oil delivered on contract and, in addition to the Navy plan, the application of a utility factor.

As a result of information obtained through bids on proposals several specifications have been revised to provide for commercial red brass rather than special Navy metals, thereby increasing competition and enabling the purchase of a good grade of commercial material. Wherever possible commercial materials are replacing special Navy mixtures in the specifications.

Acceptable list.—During the year the bureau's acceptable list was thoroughly revised. A copy of the list was furnished to all commandants, inspectors, and matériel bureaus. An ample supply was furnished to the Bureau of Supplies and Accounts for distribution to all purchasing officers. From time to time a change sheet is prepared showing the corrections added to and removals from the list and sent to all officers receiving the original list.

Inspection.—During the fiscal year 1925 steps were taken to abolish the inspection force under the cognizance of the Bureau of Engineering at the navy yard, Mare Island, Calif., and to concentrate this inspection under the inspector of naval material, San Francisco, effective July 1, 1925.

Prior to July 1, 1924, inspection of fuel oil in large quantities was conducted by contract. On July 1, 1924, the inspection of fuel oil was taken over by Navy personnel. To take care of the large amount of inspection of fuel oil at San Pedro, where the principal producers are located on the west coast an office was established at San Pedro, with personnel consisting at first of one officer and later increased to two officers. The remaining inspection of fuel oil is conducted by Navy personnel afloat or by inspectors of engineering material with their normal force.

The bureau maintained inspection districts, as shown in the following table; the number of manufacturing establishments at which inspection was made and particulars pertaining to the materials inspected are also given:

District	Number of manufacturing establishments at which inspection was made	Tons accepted	Tons rejected	Estimated value of accepted material	Cost of inspection
Bethlehem	27	372.66	59.30	$102,500.74	$3,746.29
Boston	178	12,231.96	9.18	1,372,548.00	15,728.44
Chicago	220	3,047.20	132.95	671,889.00	19,147.49
Cincinnati	115	6,538.59	424.77	836,022.21	15,666.35
Hartford	86	1,543.20	9.10	1,201,727.97	15,449.89
New York	417	6,489.91	581.13	5,316,583.84	51,701.06
Philadelphia	355	7,956.77	330.54	1,996,558.42	31,884.91
Pittsburgh	386	9,225.79	139.61	[1] 2,369,183.91	45,293.39
San Francisco	251	28,545.27	338.56	2,234,642.00	37,922.99
Schenectady	40	4,181.77	4.14	3,580,154.37	14,539.41
Total	2,075	80,133.32	2,029.28	19,681,810.46	251,080.22

[1] Include cost of chemical laboratory.

	1924	1925
Percentage of material accepted	98.53	97.53
Cost of inspection per ton of accepted material	$2.94	$3.13
Cost of inspection per dollar value of accepted material	$0.0121	$0.0128

The above table does not include 554,298.31 tons of fuel oil, valued at $5,213,609, inspected by the San Francisco office. Practically all inspection of fuel oil was conducted by officer personnel.

Table showing value of material inspected by the Bureau of Engineering, except fuel, during fiscal years 1924 and 1925 for various bureaus and other departments of the Government:

	1925		1924	
	Amount of accepted material	Value of accepted material	Amount of accepted material	Value of accepted material
	Tons		*Tons*	
Engineering	57,592.72	$11,890,877.27	26,913.75	$10,077,197.40
Aeronautics	1,422.94	4,717,485.84	1,843.02	5,282,639.55
Construction and Repair	3,685.27	743,316.52	2,181.60	492,336.87
Medicine and Surgery	5.57	6,832.00	16.41	17,820.00
Navigation	81.91	32,214.00	8.33	7,233.50
Ordnance	1,061.06	144,256.45	154.39	25,945.93
Supplies and Accounts	1,084.66	828,096.88	13,439.37	335,206.25
Yards and Docks	14,634.05	1,030,151.93	38,941.13	3,901,761.94
Fleet Corporation	559.94	286,630.07	370.18	210,776.66
War Department	4.37	1,832.00	----------	----------
Interior Department	.83	117.50	----------	----------
Total	80,133.32	19,681,810.46	83,877.18	20,350,918.10

Weight of material rejected by inspectors of engineering material:

	Tons
1924	1,248.28
1925	2,029.28

Cost of inspection of accepted material:

	Per ton	Per dollar value
1924	$2.94	$0.0121
1925	3.13	.0128

Inspection force.—The following table shows strength of the inspection force in the districts at the beginning of the fiscal year and at the end:

District	Officers, commissioned and warrant		Civilian inspectors		Civilian office force	
	1925, June 30	1924, June 30	1925, June 30	1924, June 30	1925, June 30	1924, June 30
Bethlehem	1	1	1	1	0	0
Boston	1	1	4	3	2	2
Chicago	2	1	3	4	3	3
Cincinnati	1	1	3	3	1	1
Hartford	1	1	4	4	2	2
New York	4	4	15	14	7	7
Philadelphia	3	3	7	7	5	5
Pittsburgh	1	2	[1] 12	[1] 13	4	5
San Francisco	[2] 3	1	10	9	6	5
Schenectady	1	1	[3] 3	[3] 3	3	3
Total	18	16	65	61	33	33

[1] Includes 1 chemist.
[2] 2 officers for inspection of fuel oil at San Pedro.
[3] Includes 1 mechanical draftsman.

Machine tools, etc.—Machine tools and shop equipment reserved from dismantled Navy-owned plants, and those received from the United States Army Ordnance Salvage Board, all carried in "Ap-

propriation purchases account," have continued to be a valuable asset during the fiscal year. Tools from this stock to the same approximate value as the previous year have been furnished during this year to various naval activities. This stock of tools has now been depleted to such a point that fewer requests can be filled from it; if replacements of worn-out tools and equipment are required for ships or at navy yards it will be necessary to purchase them. The following gives the value of "Appropriation purchases account" tools issued to the naval service during the past fiscal year:

Navy yards and stations	$175,000
United States naval air stations	8,100
United States naval vessels	17,125
Total	200,225

Gas cylinders.—Through negotiations with the Interstate Commerce Commission over 1,300 Navy-owned ethyl-chloride cylinders have been validated for interstate transportation, thereby eliminating rentals on contractor-owned cylinders.

Negotiations with one of the leading gas manufacturers with whom the Navy had contracts during the war have resulted in the return to the Navy of approximately 600 Navy-owned oxygen cylinders which inadvertently had been returned to the company by naval activities.

Considerable economy has been effected during the past four years by putting in service sufficient Navy-owned gas cylinders to permit reduction to practically nothing the rental charges for contractor-owned cylinders. Several thousand cylinders for various gases were obtained from the Army at a nominal cost. These were conditioned, stamped with Navy serial numbers, and issued to the naval service. Practically all Navy-owned cylinders have been stamped with a Navy serial number as a ready means of identification. Approximately 1,500 hydrogen cylinders, obtained from the Bureau of Aeronautics, have been converted to CO_2 cylinders. The Navy now has sufficient compressed-gas cylinders of all kinds, except acetylene, to provide for naval needs. Practically all gas purchased by the Navy is now obtained in Navy-owned cylinders.

Reducing costs of manufacture.—A close check on the cost of manufactured articles has been continued during the year with resulting benefit to the bureau. By an interchange of manufacturing processes by the yards, costs have been reduced; in addition, manufacturing yards have been designated for certain articles, thereby reducing cost of quantity manufacture.

A large quantity of reclaimed zinc from old powder boxes was obtained from Indianhead and distributed among some of the east coast navy yards. This has resulted in a considerable saving.

Economies.—Active steps have been taken by this bureau in connection with the Bureaus of Construction and Repair and Supplies and Accounts to reclassify several million pounds of tool steel received from the Army without charge at the close of the World War. This work is being done at the Philadelphia Navy Yard and is being carried on at a minimum expenses consistent with satisfactory results. Considerable saving has resulted by using this tool steel, and this should be even greater in the future.

By an interchange of manufacturing operations between a west coast yard and an east coast yard the cost of manufacturing motorboat propellers at an east coast yard has been reduced from approximately $33 to $25 each.

Salvaged material and waste products.—Among the outstanding accomplishments during the past four years have been the utilization of surplus and salvaged machine tools and shop equiment selected from and reserved during the dismantling period of Army and Navy war plants. From this equipment the shops of the U. S. S. *Denebola*, *Rigel*, and *Altair*, destroyer tenders, and the U. S. S. *Canopus*, submarine tender, were fitted out. Numerous other ships of the fleet have also been supplied with necessary machine tools from the above source, as well as navy yards and stations, at the total appraised value of $1,174,680.

NAVY YARDS

The navy yards and naval stations exist solely for the maintenance and upkeep of the fleet and, in this sense, are a highly valuable and absolutely essential military asset of the Naval Establishment in the scheme of national defense. Besides building and repairing naval machinery they perform a very considerable amount of manufacturing of naval machinery, equipage, and engineering supplies. The cost of the overhaul work performed by the navy yards alone during the fiscal year 1925 on vessels of the fleet, including equipage and care and preservation of vessels out of commission, totals to approximately $8,000,000.

Besides the usual extensive maintenance work performed on vessels of the fleet the following engineering achievements were accomplished by the navy yards:

PORTSMOUTH

(*a*) Completed construction of the submarine *V–1;* building the *V–2*, *V–3*, and *V–4*.

(*b*) Development and manufacture of finned air cooler tubes. Developed a machine tool for doing this work in one operation, which obviates the necessity of soldering or welding on the finns; this results in a saving of funds.

(*c*) Reconditioning the *T–3*, which practically involves complete reconstruction.

(*d*) Improvements in electric equipment of submarines, including torpedo-firing circuits, diving alarm, permanent anchor lights, and main ballast vent indicators.

(*e*) Development of designs for detached circulating water and lubricating oil pumps, oil coolers, oil filters, and other auxiliaries for bureau type Diesel engines ranging from 450 to 2,350 horsepower units.

(*f*) Continued development and successful use of No. 2 silicon-aluminum alloy for electrical fittings and castings where great strength is not paramount; this alloy is used for the replacement of brass fittings, besides being cheaper and about one-third of the weight of the latter.

BOSTON

(*a*) Completion of destroyer tender *Whitney.*

(*b*) Repairs to damaged propeller shaft and renewal of the propellers of the steamship *Leviathan;* this included new stern tube and propeller shaft bearings, and the work was accomplished within about 50 per cent of what it would have cost if done locally by private shipyard.

(*c*) Development of method for removal of lignun-vitæ strips from propeller shaft bearings and installation of new strips which had been fabricated prior to docking, which obviates the necessity of removal of bushings to the machine shop for machining operations and thus resulted in saving of time, labor, and funds.

(*d*) Manufacture of periscope casing tubes, the work being awarded to Boston as the result of competitive bidding. This manufacture requires close precision work, which was accomplished by rather ingenious set-ups of machinery. The outstanding feature was the successful accomplishment of this work and the improvised use of two discarded propeller shafts for boring bars, as the yard lacked suitable equipment.

(*e*) Replacement of submarine propellers, without necessity of docking, by use of an improvised lifting crane, which lifted the stern sufficiently above the water line for the purpose, and saved expenses incidental to docking.

NEW YORK

(*a*) Manufacture of Diesel engines and spare parts for submarines and dynamo plants.

(*b*) Development, heat treatment, and tests of piston rings, springs, air-compressor valves, and exhaust-valve materials.

(*c*) Research in connection with torsional vibration and critical speeds of Diesel-engine crank shafts of submarines and Army dredges.

(*d*) Development of design and manufacture of a combined clutch and elastic coupling, with frictional damping, to correct torsional vibration of Diesel-engine crank shafts.

(*e*) Reconditioning two 2,350 brake horsepower engines for *T–3.*

(*f*) Dynamically balancing turbo-driven forced-draft blowers of destroyers, during which it was discovered that previous inability to do this work in blower fans of the double-vane type was due to the presence of scale and rust, which was not visible, in the interior of the blades; this work required opening the fan blades, scraping, welding, reriveting, and rebalancing, which was successfully accomplished.

(*g*) Precise control of iron-melting processes and study of the microstructure of the metal and its correlation with composition, physical properties, pouring temperatures, and heat treatment.

(*h*) Special study of methods of gating molds in the foundry by the use of glass mold models. The direction of the currents of the fluid entering the mold can readily be seen by filling with various colored liquids. The use of these model molds reduced losses of Diesel-engine piston castings alone from 28 to 5 per cent for the first

nine months and corresponding reduction of losses in other castings for Diesel engines.

(*i*) The following improvements in foundry materials and processes were investigated:

(1) Foundry facings (silver lead).

(2) Bonding sands.

(3) Core binders.

(4) Comparison of Brinell and Rockwell hardness tests.

(5) Effect of heat treatment upon hardness and physical properties in correlation with chemical composition and quenching.

(6) Development of aluminum-silicon alloys.

(7) Improved method of melting Monel metal by gas in a tilting Rockwell furnace, and using a boronized deoxidizer, reduced losses to about 1 per cent.

(8) Improved method of melting aluminum bronze, including study of heat treatment and effect of tin and zinc impurities.

(9) Centrifugal castings of leaded bronze and copper alloys containing over 10 per cent lead.

(10) Manufacturing processes improved for mangenese-bronze air-compressor valve caps by the use of chills.

PHILADELPHIA

(*a*) Completed construction of destroyer tender U. S. S. *Dobbin;* her full-power acceptance trial was very satisfactory.

(*b*) In conformity with treaty on limitation of armaments, completed scrapping of five battleships. This work was accomplished at a net profit to the Government, after sale of materials and after deducting the cost of equipment used for this work.

(*c*) Successfully welded the main engine crank pins of the U. S. S. *Henderson* by the electric-welding process. One crank pin had loosened in the crank web and attempt had been made previously, but unsuccessfully, to tighten same by drilling and fitting pins to both the web and the crank pin (half in each). In addition, realigned both main engines, which were badly out of alignment, and installed distilling plant for exhaust-steam vacuum operation, greatly increasing capacity over the old plant.

(*d*) Converted the distilling plants of two destroyers for exhaust steam and vacuum operation; used salvaged material for this work.

(*e*) *Shop activities.*—

1. Manufacture of steel valve bodies, tees, and special fittings for airplane carriers and light cruisers.

2. Manufacture of Diesel-engine cylinders and bed plates.

3. Manufacture of eight propellors of solid wheel type for airplane carriers. These wheels were the largest ever cast in this country. A special feature was the casting of these propellers by the use of cores instead of loam, the work being accomplished at a saving over the latter method. Successfully used an improvised shop rig from a 72-inch traveling head planer for machining, as the regular propeller shaper was too small.

4. Improved method of cutting large double keyways in propeller hubs by using a guide jig to fit the propeller bore and using sliding tool holder flexibly connected to and actuated by a draw-out shaper. A saving of 12 hours was effected by this rig.

(*f*) *Design.*—

1. Developed design for rapid closure of main steam stop valves for destroyers by the use of toggle joints.

2. Developed a simplified type of boiler soot blower.

3. Developed a simplified form of steam deflector for use between turbine glands and bearings to prevent entry of condensed steam into forced lubrication system.

4. Successfully developed radio installation for using multiple reception on destroyers.

(*g*) Successfully calibrated the radiocompass station, located on the hangar roof at Lakehurst, by using the *Los Angeles* as the calibrating ship. So far as known, this is the first instance a radiocompass station has been given a complete 360° calibration with the transmitting station in the air; the airship made a speed of about 40 miles per hour, the lowest speed at which the wind-driven generators used with radio transmitters could be operated. It was found that the calibration work could be successfully done with the ship at 10 to 15 miles distant from the station.

WASHINGTON

(*a*) Development of an efficient water and air tight cable stuffing tube.

(*b*) Modernization of Arlington Radio Station and successful installation of a 500-watt broadcasting station.

(*c*) Development and installation of a 1½-kilowatt CW tube transmitter for use at coastal radio stations.

(*d*) Manufacture of master-heterodyne frequency meters for calibration of transmitters.

(*e*) Manufacturing work of underwater sound equipment.

(*f*) Establishment of a salvage section for radio material for the purpose of using salvaged radio material for repair work and new construction, which material would ordinarily be scrapped for sale or otherwise condemned at a loss to the engineering appropriation. During the year the salvage section has been in operation, $16,000 worth of salvaged material has been turned into store and $10,000 used on projects, thus making a total saving of $26,000 to naval appropriations.

NORFOLK

During the past fiscal year the following items of interest were either completed or undertaken at this yard:

(*a*) Range and arresting lights were designed and installed on the flying-off platform of the *Langley*. Limit switches and control were designed and installed for the crane, handling planes on and off the elevator. Electrical equipment for motor-operated fiddle bridges was developed and installed. Disconnecting switches were designed and installed for main motors.

(*b*) Electrical equipment for gun-firing system was developed and installation was made on nine destroyers.

(*c*) Manufacture of turbine blades by machining from bar stock.

(*d*) Manufacture of Diesel-engine cylinder housings.

(*e*) Completed the scrapping of the *North Carolina*.

(*f*) Perfected a method of sand blasting.

(*g*) Investigated and successfully developed a method of applying coatings of zinc and other metals by spraying.

MARE ISLAND

(*a*) (1) Alignment of line shafting from thrust shaft to stern bearing on U. S. S. *Taft* and *Pierce*, using optical methods.

(2) One of the most interesting achievements performed at this yard was the reblading and dynamic balancing of the port high-pressure turbine, No. 4 shaft, on board the U. S. S. *Cincinnati*, all work being done in dry dock. The estimated cost of removing the rotor to the yard machine shop and reblading and balancing was $15,000. The estimated cost of repairs, reblading, and balancing on board the vessel was $8,000. The actual cost of the job for labor and indirect was $7,598.71, or a saving of $8,400 (exclusive of material) over the estimated cost of doing the work in the shops.

(3) *Turbine job, special.*—The first stage of the starboard L. P. turbine of the *Maury* was rebladed with second-stage blades, which had to be cut down to the required size, thus saving time, as there were no second-stage blades in store.

(4) U. S. S. "*Yarborough.*"—Excessive vibration of main turbine was found at all speeds in excess of 15 knots. Job orders were issued for installation of new design of sixteenth stage blading and balancing of main and cruising rotors. In addition to balancing the main turbine and cruising rotors, and not believing that all the trouble was caused by the turbines, the following were dynamically balanced:

Main reduction gears.

Bottom and top idler gears, port and starboard. Corrections in all cases were necessary to secure perfect dynamic balance.

Loose babbit was found in the forward engine-room bottom idler gear.

Both propellers were removed for check of pitch and dynamic balancing. Port propeller was corrected. However, starboard propeller was found to have one blade badly out of shape and it was replaced.

After the extensive dynamic balancing and work accomplished at this yard the *Yarborough* reports that the main turbines have never run so smoothly since original commissioning.

(5) *Yarrow-type boilers.*—Until approximately a year ago the boiler shop at this yard always bent the end of the boiler tubes for Yarrow-type boilers as the first operation, and then proceeded to polish and round the edges. At the present time the first operation is to round edges and polish, after which the tube is bent. A saving in time and cost has resulted.

(6) *Propellers—Repairs; dynamic balancing.*—Forty-five propellers have been repaired and dynamically balanced at this yard. A large number were badly twisted and blades broken. On some of the propellers it was necessary to cut off part of the blade, make a pattern, and then cast a new piece, which was welded to the old blade. Some blades were straightened. They were put under a hydraulic press and brought back to their original pitch. They were then dynamically balanced. In balancing of propellers it is usually necessary to chip and ground off the backing side of the blades in order to secure a perfect balance. The yard carried out

experiments to determine whether a propeller in static balance (knife edge) would be in satisfactory dynamic balance and could be issued for use without taking the time and cost of dynamic balance. The yard's conclusions were that a statically balanced propeller might be seriously out in dynamic balance and that dynamic balance should be required.

(*b*) *Shop processes and methods.*—

(1) *Propeller shaft and mine buoys, cleaning.*—Experiments have been conducted for the purpose of determining the comparative costs of cleaning shafts and mine buoys by means of sand blast and hand scaling, two types of sand-blasting equipment being used, one improvised outfit made up of pipe similar to a steam siphon and the other a machine known as a cement gun. It was proven that the sand blast is by far the best method of cleaning, doing better work and also in much less time than by hand.

It is estimated that by using a suitable sand-blasting machine and the best grade of sand for the purpose that a shaft can be cleaned in 8 hours and a mine buoy in approximately 25 minutes, the number of men required depending on the type of sand-blasting outfit used. Formerly it required eight hours to scale one mine buoy by hand.

(2) *Dynamic balancing machine, electric shop.*—An improved type balancing machine of 750 pounds capacity was added to the electric shop's equipment.

This machine permits of both integral and assembly balancing of rotors and armatures. Very satisfactory results have been secured as regards not only the problem of balancing but in reduction of time consumed in the work, particularly with the 25-kilowatt turbo-generators of General Electric type.

(3) *Oil-grooving machine.*—A lathe with an attachment for making oil grooves has been manufactured by this yard. The lathe is also rigged for grooving thrust washers.

(4) *Milling-machine handhole-plate attachment.*—An attachment for the milling machine that will hold a boiler handhole plate after it has been threaded has been manufactured and is used by this yard.

This attachment machines the edges and face of the handhole plate so as to receive the gasket.

(5) *Large cutting-off tool.*—A piece of high-speed steel is inserted into a piece of ordinary shaft sheet steel and is used in cutting off large risers from propeller blades, hubs, etc.

Prior to the use of the tool the excess material was chipped off until an ordinary cutting-off tool could be used. The yard cutting-off tool saves time and cost.

(*c*) *Yard rubber plant.*—The plant owing to its size, has a production of but approximately 100 pounds of material per day. However, important jobs have been accomplished, notably the vulcanizing of rubber covering on propeller shafts. Production consists of gaskets, sleeves, chair tips, hose, all rubber parts for listening apparatus, valves, and various types of solid molded goods.

The greatest advantage to be gained in the operation of the plant is in the convenience afforded, saving weeks in the obtaining of material for emergency use. However, a saving in cost also results. It is estimated that a saving of approximately 35 per cent results from yard manufacture. Recently 500 pairs of diver cuffs were

made at a cost of $1.43 per pair, whereas the commercial manufacturer requires $3.50 per pair.

(*d*) *Cutless bearing installation.*—Cutless bearings have been installed by this yard on the motor tug *No. 96* and the yard tugs *Leslie* and *Dart.*

The cutless bearing is similar to a metal bearing in design, except that it is lined with tough resilient soft rubber compound.

The bearings have been in production for approximately five years and are considered as proving a successful solution of bearing troubles wherever water or other nonoily liquid is available to provide necessary lubrication.

(2) *Cadmium plating.*—After exhaustive tests of plating steel springs, a cadmium electroplating process has been installed in the plating room at this yard.

By comparative test of springs coated with tin, copper, and nickel plating, wherein a very fine salt-water spray in an inclosed box was used and alternately spraying and drying the samples, it was found that cadmium-plated springs were far superior as regards loss in weight, tensile strength, and corrosion.

(3) *Rubber covering of propeller shafts.*—Interesting and apparently successful protection of propeller shafting has been accomplished by the vulcanizing of a rubber sleeve or covering on the shafts.

(4) *Machine for aligning reduction gear shafts* (Falk reduction gear on destroyers).—A machine for aligning Falk reduction gears on destroyers was designed, and two are being manufactured for the destroyer repair ship for use in checking the alignment of reduction gears in destroyers by the forces afloat.

This machine is fitted with a micrometer adjustment and permits of accurate measurements and check for alignments.

PUGET SOUND

(*a*) Completed construction of repair ship *Medusa.*

(*b*) Construction of submarine tender *Holland;* shop work of main turbines and reduction gears practically completed.

(*c*) Ten battleships, 20 destroyers, and 17 vessels of miscellaneous types were overhauled during the year. The average time, in working days, for overhaul of battleships and destroyers was 54 and 60 days, respectively.

(*d*) Installed engines and electric equipment in ten 35-foot cabin picket boats and in three 36-foot open picket boats for the United States Coast Guard Service.

(*e*) Manufactured new impellers for two turbo air compressors, U. S. S. *Nevada;* the bid by private manufacturer for manufacture of one set of impellers was $15,975, whereas the navy yard manufactured two sets for $9,509.

(*f*) Performed considerable turbine work, reblading and rebalancing rotors for all classes of ships; performed a relatively large amount of dynamic balancing of turbine rotors for commercial vessels and stationary power plants, owing to lack of this equipment at local ship-repair plants.

(*g*) Installed individual blower burner, oil-burning equipment, in six battleships, nine destroyers, and one light cruiser.

(*h*) Completed installation of low-pressure, exhaust-steam, vacuum-operated distilling plants on six battleships.

(*i*) Installed CO_2 refrigerating plants on four battleships.

(*j*) Completed installation of current-transformer circuits at Keyport, thus making possible the simultaneous operation of the 30-kilowatt and 60-kilowatt arc sets; in addition, installed a "tank circuit" in the "TD" tube transmitter; the foregoing work eliminated harmonic emissions and other interference with local broadcasting stations.

(*k*) Made improvements in Alaskan radio stations and installed new radio-compass station on Destruction Island.

(*l*) *Salvaged material.*—1. Salvaged the main condenser tubes of the *Seattle* by cutting off the crimped ends, for use in destroyer condensers. These tubes were in excellent condition, which is of interest, as they have had eight years' service.

(*m*) *Boiler refractory material.*—The standardization of fire brick and the increased use of plastic refractory cement has resulted in great improvement in economy and in engineering practice. A great saving in time and the elimination of numerous sizes and shapes of fire brick has effected much saving in time and labor in rebuilding furnace insulations.

(*n*) An electric butt-welding machine installed in the pipe shop, by means of which the butt welding of pipes, rods, angles, etc., up to about 3 inches can be accomplished with rapidity and economy; this equipment permits the use of many short lengths of material that would otherwise be discarded as scrap.

(*o*) *General comment.*—The quantity of repair work on vessels of the fleet is found to be increasing with each overhaul, the shortage of engineering funds making it necessary to put a heavier portion of the overhaul burden on the personnel of the individual vessels and on the fleet-repair facilities afloat.

VESSELS UNDER CONSTRUCTION AT END OF FISCAL YEAR 1925

No.	Vessel	Building yard	Engines	Speed	Per cent completed machinery June 30, 1925	Date of contract
	Airplane carriers			*Knots*		
2	Lexington	Fore River Corporation.	Electric, General Electric.	33.0	64.3	Nov. 2, 1922
3	Saratoga	New York Shipbuilding Corporation.	do	33.0	65.7	Oct. 30, 1922
	Submarine tender					
3	Holland	Navy yard, Puget Sound.	Parsons turbine, gearing.	16.0	64.0	Dec. 6, 1919
	Submarines					
158	S-47	Electric Boat Co	Diesel, New London	14.5	96.0	July 1, 1919
164	V-2	Navy yard, Portsmouth.	Diesel, Busch-Sulzer	21.0	95.2	Mar. 12, 1920
165	V-3	do	do	21.0	87.8	Do.
166	V-4	do	Diesel, bureau type	15.0	12.0	
167	V-5	do	do	17.0		
168	V-6	Navy yard, Mare Island.	do	17.0		

NEW VESSELS DELIVERED DURING FISCAL YEAR 1925

No.	Vessel	Building yard	Speed on trial	Shaft horsepower	Per cent completed machinery June 30, 1924	Date of contract	Date of delivery
			Knots				
12	Marblehead	William Cramp & Sons	34.640	95,702	94.0	Jan. 24, 1919	Sept. 5, 1924
13	Memphis	do	34.430	92,650	65.0	do	Jan. 31, 1925
1	Medusa	Navy yard, Puget Sound	16.127	7,290	99.8	Apr. 25, 1919	Sept. 18, 1924
3	Dobbin	Navy yard, Philadelphia	-------	-------	91.7	July 9, 1919	July 23, 1924
4	Whitney	Navy yard, Boston	-------	-------	92.3	Dec. 6, 1919	Sept. 2, 1924
				R. P. M.			
153	S–42	Electric Boat Co	14.020	379.63	97.4	July 1, 1919	Nov. 20, 1924
154	S–43	do	13.990	378.58	96.8	do	Dec. 31, 1924
155	S–44	do	13.970	377.8	94.3	do	Feb. 16, 1925
156	S–45	do	13.960	377.6	93.8	do	Mar. 31, 1925
157	S–46	do	13.930	376.6	91.2	do	June 5, 1925
163	V–1	Navy yard, Portsmouth	-------	-------	85.4	Mar. 12, 1920	Oct. 1, 1924

The following list shows the officers attached to the Bureau of Engineering on June 30, 1925, also those reporting to and detached from the bureau during the year ending June 30, 1925, and the division of the bureau to which they were attached:

Name	Rank	Division	Date reported	Date detached
Abbott, J. S	Commander	Engineering information	June 29, 1925	
Atkins, A. W	do	Navy yard	June 3, 1925	
Bailey, C. A	Lieutenant Commander.	Finance	Dec. 22, 1923	
Bennett, E. L	Captain	Assistant to chief	Aug. 4, 1924	
Bowman, M. C	Lieutenant commander.	Repair	Mar. 29, 1924	
Broshek, J. J	do	do	Sept. 2, 1924	Mar. 7, 1925
Bruce, B. H	Commander	do	Sept. 24, 1923	June 26, 1925
Bruce, B	do	Design	Aug. 7, 1922	
Campbell, C	Lieutenant	Engineering information	Mar. 15, 1923	Feb. 10, 1925
Charlton, A. M	Commander	Design	Sept. 28, 1923	
Church, A. T	do	Repair	Aug. 13, 1923	
Cobb, C. H	Lieutenant commander.	Radio	Apr. 23, 1925	
Cox, O. L	Commander	Design	Mar. 6, 1922	
Craven, T. A. M	Lieutenant commander.	Radio	Aug. 13, 1923	
Davis, C. H	do	do	Jan. 18, 1922	July 28, 1924
Davis, R. C	Commander	Engineering information	Jan. 2, 1924	
Downer, D. B	Lieutenant commander.	Repair	June 19, 1922	Sept. 13, 1924
Duvall, E. E	Lieutenant	Radio	June 11, 1923	May 27, 1925
Fenn, H. K	Lieutenant commander.	do	Sept. 22, 1924	
Gibson, H	do	Design	June 12, 1924	
Gillette, C. S	do	do	Aug. 1, 1923	
Gordon, C. H	Lieutenant	Design and repair	July 29, 1921	Sept. 2, 1924
Greenlee, H. R	Commander	Finance	Sept. 25, 1919	
Haas, W. S	Lieutenant commander.	Design	Apr. 18, 1923	May 27, 1925
Haggart, R. S	do	Plans and personnel	May 22, 1925	
Hird, H. B	do	Design	July 1, 1924	
Jones, C. A	Commander	do	Oct. 24, 1921	July 28, 1924
Kimball, L. F	do	Supply	Dec. 5, 1923	
Langworthy, E. D	Lieutenant commander.	Radio	May 18, 1923	
LeClair, H. P	do	do	Feb. 26, 1923	Apr. 1, 1925
Lewis, J. W	Commander	Navy yard	June 12, 1923	Dec. 1, 1924
Libbey, M. A	do	Plans and personnel	June 21, 1922	
McNeely, R. W	Captain	Radio	Sept. 12, 1923	
Millon, J. P	Lieutenant	Repair	May 24, 1924	Oct. 20, 1924
Oates, E. T	Lieutenant commander.	do	Nov. 17, 1924	

Name	Rank	Division	Date reported	Date detached
Paine, R. W	Lieutenant commander.	Design and repair	Sept. 28, 1922	May 29, 1925
Phillips, W. K	Lieutenant	Radio	July 30, 1924	
Pownall, C. A	Lieutenant commander.	Repair	Sept. 30, 1924	
Quynn, A. G	Lieutenant	Design and repair	Jan. 3, 1922	Oct. 24, 1924
Robinson, S. M	Commander	Design	July 25, 1921	
Robison, J. K	Rear admiral	Chief of bureau	Oct. 1, 1921	
Rodd, H. C	Lieutenant	Radio	Jan. 7, 1924	
Ross, C. C	Lieutenant commander.	Repair	Apr. 23, 1925	
Theiss, P. S	do	Supply	Mar. 23, 1925	
Tisdale, R. D	Lieutenant	Design and repair	Apr. 13, 1925	
Tompkins, J. T	Captain	Assistant to chief	Feb. 2, 1922	July 28, 1924
Turner, W. P	Lieutenant	Repair	Mar. 5, 1924	
Vroom, G. B	Lieutenant commander.	Supply	Jan. 2, 1924	
Weaver, P. R	Lieutenant	Radio	May 31, 1922	Sept. 4, 1924
Welles, R. C	do	Design	Nov. 26, 1922	
Wolleson, E. A	Commander	Navy yard	Oct. 23, 1924	June 5, 1925
Womble, S. G	Lieutenant commander.	Repair	Oct. 21, 1924	
Wrenn, P. G	Lieutenant	Design and repair	Aug. 26, 1924	

J. K. ROBISON,
Engineer in Chief, U. S. Navy,
Chief of Bureau.

132612(101)

REPORT OF THE SURGEON GENERAL, UNITED STATES NAVY

DEPARTMENT OF THE NAVY,
BUREAU OF MEDICINE AND SURGERY,
Washington, D. C., October 1, 1925.

To: Secretary of the Navy.
Subject: Annual report for fiscal year 1925.

This report shows the activities of the Medical Department of the Navy during the fiscal year ending June 30, 1925, while the statistics dealing with the health of the Navy cover the calendar year 1924.

During the period covered by this report, the bureau has continued to cooperate in every way with the department in its efforts to exercise economy of administration, to improve the physical efficiency of the personnel, both commissioned and enlisted, to raise the already high standard of care given to patients in naval hospitals and dispensaries, and to be, at all times, in a position of readiness for any emergency which might arise.

The system of appointing qualified young doctors to interneships in our larger naval hospitals, adopted in 1924, has justified itself in that a number of these young men have chosen to remain in the service, thereby decreasing the serious shortage of medical officers which existed at the time of its inauguration.

The educational program of the bureau has been continued and the number of medical officers with training qualifying them for special and important duties has been increased.

The inspection of hospitals and other Medical Department activities during the year has shown that they have been kept up to the same high standard established in previous years.

The close cooperation existing between the Bureau of Medicine and Surgery and the American Red Cross and Veterans' Bureau has been continued with benefit to the several organizations.

The planning division of the Bureau of Medicine and Surgery has continued to work along the lines outlined in the 1924 report. The Medical Department matériel contributory plan for forces afloat has been completed. Lists of medical equipment and supplies have been prepared for the wartime organization of the shore establishment.

The form of the annual physical examination of officers conducted in January, 1925, was such that it served to detect many early defects among those examined and made it possible to suggest remedies looking toward their correction. The conservation of officer personnel as opposed to elimination has been stressed throughout. It is

believed that this change in the character of the examination of officers will be of inestimable value to the service as well as to the officers themselves.

Boards of review, established at the training stations, have operated to save the Government enormous expense by eliminating the manifestly unfit recruit before he has been outfitted.

Matters of special interest will be considered in detail in the remainder of this report under separate headings.

PERSONNEL

Medical Corps.—During the year there have been 76 new medical officers commissioned, 55 of whom are internes, while 30 have been separated from the active list; 17 by resignation, 10 by retirement, 2 by death, and 1 by dismissal. This leaves a total of 824 medical officers of all grades. The reduction in the shortage of medical officers is largely accounted for by the fact that 16 of the 21 internes appointed during 1923 still remain in the service. A large proportion of those appointed in 1924 have signified their intention of remaining.

There were only 17 resignations from the Medical Corps in 1925 as opposed to 31 in 1924. This is encouraging and is indicative of the belief that exists among medical officers that some steps will soon be taken to relieve the present stagnation in promotion and to place the flow of promotion on an equality with that of the line. Should this hope prove false, it is believed that the number of resignations would materially increase and that a serious shortage of medical officers would result. Conditions in civil life are so attractive to young medical men at this time that it will be impossible to induce well qualified graduates of class A schools to enter a service in which they see no chance of reaching, within a reasonable time, the higher grades to which their abilities entitle them and in which the financial rewards are somewhat commensurate with what they would earn in the civilian practice of their profession.

The officers and men of the Navy are entitled to the best of medical attention. They can not receive it unless the rewards for service are made sufficiently great to attract the highest type of young medical men.

Dental Corps.—During the past fiscal year the allowed strength of the Dental Corps, 159, has been maintained. Three resignations and two retirements for physical disability have occurred during the year. The present strength of the corps is about 84 per cent of its authorized strength, and the existing ratio is approximately 1 dental surgeon to every 730 officers and men in the service.

It has been the bureau's policy to recommend the assignment of officers to duty in accordance with their expressed preferences, whenever practicable, and, when assignments have been made, to recommend no further changes of duty until such changes are made necessary by service conditions. It is believed that this policy has increased efficiency and that it has resulted in a large saving to the Government in mileage and transportation.

While the bureau has been able to keep the Dental Corps up to its allowed strength with qualified officers, this has been possible only by means of a thorough circularization of the graduates of recognized dental schools.

The enactment of legislation similar to that proposed in the form of the so-called equalization bill, which was submitted to the last Congress by the Navy Department, would have a salutary effect upon the morale of the officers in the Dental Corps. It would place the naval dental officer upon a plane of equality with other officers of the Navy and would establish a reasonable flow of promotion.

The existing apportionment of one dental officer to each thousand of the total authorized number of officers and enlisted men of the Navy and Marine Corps was fixed when the value of dental treatment in maintaining health was not realized fully. With the growing realization that dental disease is a causative and aggravating factor in many other diseases of the body, the demand for dental service has increased to such an extent that the bureau is unable to supply a sufficient number of dental surgeons to provide satisfactory attention to the personnel of many ships and stations.

The demand for replacements of teeth by patients who may be treated under the present limitations has assumed such proportions that it can not be handled with the personnel and facilities established to furnish prosthetic dental treatment.

At the present time the Special Service Squadron, with about 1,800 personnel, and Mine Squadron Two, with over 300 personnel, are without the services of dental officers. In addition, the light cruiser divisions, with personnel totaling over 3,500 officers and men, and many other vessels on detached duty, have been without dental service since their organization or assignment to duty and have been forced to depend upon contact with other units for emergency dental treatment: The bureau has been impressed with the need for larger quotas of dental surgeons at the Marine Corps bases and at the naval air stations.

A large quota of dental officers should be maintained at each training station and recruit depot to render the greatest possible amount of reparative treatment to the teeth of newcomers in the service. The fact that recruits are kept at training stations for very short periods entails a rapid turnover in the total personnel of these stations. Under present conditions it is possible to send to sea, dentally fit, only a very small percentage of the total number of men who leave the training stations.

Hospital Corps.—At the end of the fiscal year 1925 the actual strength of the Hospital Corps of the Navy was 3,834 men. The authorized allowance for the fiscal year ending June 30, 1925, was 3,692, plus 250 hospital corpsmen in excess of the number required to serve the Navy and Marine Corps. These were authorized for the care of Veterans' Bureau patients, funds necessary for their remuneration having been transferred to the appropriation "Pay of the Navy." Including the latter allowance, the total authorized complement, therefore, was 3,942. For the fiscal year 1926 this number will be reduced by 122, distributed throughout the various ratings, to cover the actual reduction of the Marine Corps from 19,500 to 18,000 men and the temporary reduction of the Navy as a whole from 86,000 to 84,000 men (the loss of 122 men represents 3½ per cent of 3,500). The total authorized strength for the Hospital Corps of the Navy during the fiscal year 1926 will be 3,822 men.

At present the Hospital Corps is experiencing a period of stagnation regarding advancement to the higher ratings (chief pharma-

cist's mates and pharmacist's mates, first class) due to the fact that promotions exceeded losses by discharge, and to the reenlistment of a high percentage of those discharged, plus the reduction of allowance for Veterans' Bureau patients from 365 to 250 men for the past fiscal year. The stagnation will continue in these two ratings until the excess over the number actually allowed by law is finally overcome. The fact that advancement is denied to men holding the rating of pharmacist's mate, first class, has been the cause of much dissatisfaction and the loss by failure to reenlist of some very highly trained men.

The advanced course of instruction for pharmacist's mates has again been instituted at both the Pharmacist's Mates School, Portsmouth, Va., and the Hospital Corps training school, Mare Island, Calif., two classes of five months' duration for each year, with an allowed student complement of 25 pharmacist's mates for each class. The course of instruction for inexperienced recruits which was reduced from six months to four months in 1922, owing to excessive loss of personnel, has again been placed on the six months' basis.

Special courses of instruction for qualified hospital corpsmen in X-ray technique, physiotherapy, electrocardiography, and embalming have been provided. These courses have been given at the various naval hospitals with the exception of embalming and electrocardiography, which were given at civilian institutions. Courses in bacteriology, chemistry, as well as dental hygiene, are being continued at the Naval Medical School, Washington, D. C. These classes of trained technicians are of inestimable value to the service.

The correspondence courses for the several hospital corps ratings which were prepared with the cooperation of the Bureau of Navigation have now been printed and are issued to the service, including the Naval Reserve force, upon application.

Through the courtesy of the United States Army, hospital corpsmen of the Navy are being instructed in gas warfare at the Edgewood Arsenal, Edgewood, Md., and in field service at the Army Medical Field Service School, Carlisle, Pa.

CHIEF PHARMACISTS AND PHARMACISTS

These officers are receiving advanced courses in accounting and business administration, as well as X ray, in civilian institutions to meet the service requirements. Up to the present, seven have undergone instruction in the former and four in the latter during the past fiscal year. Owing to the limited number of this class of officers, special courses are usually taken in the evening with the exception of X-ray technique. Although highly desirable, the bureau has found it inexpedient to relieve them from their duties while undergoing instruction.

Nurse Corps.—The strength of the Navy Nurse Corps is 488. The following changes have occurred during the year: Appointed—nurses, United States Navy, 65; reserve nurses, United States Navy, 10; honorably discharged—nurses, United States Navy, 14; reserve nurses, United States Navy, 6; resigned—nurses, United States Navy, 12; reserve nurses, United States Navy, 10; discharged for physical or other reasons—nurses, United States Navy, 8; reserve nurses,

United States Navy, 21; released to inactive status—reserve nurse, United States Navy, 1; died—nurse, United States Navy, 1.

Nurses who have completed special courses have demonstrated their value and the bureau will continue its policy in this respect. During the past year, it was not possible to assign many nurses to courses because of the increasing number of Veterans' Bureau patients and a shortage in applicants, but information spread over the country concerning this corps seems to be taking hold and interesting nurses to such an extent that plans are being laid for courses this winter.

The superintendent of the Nurse Corps has twice addressed senior classes of training schools—on December 16, 1924, at the Philadelphia General Hospital, and on March 8, 1925, at the Central School of Nursing, Washington, D. C. The subject of these talks was, "The Navy Nurse Corps with its opportunities for service."

On November 20, the local chapter of the National League of Nursing Education had a meeting at the Naval Medical School. The subject for discussion at the meeting was, "Obligations in giving credentials and references." A general discussion followed the paper read by the superintendent of the Navy Nurse Corps, which was spirited and enlightening. Many points were made which will be helpful in the future.

The Bureau of Navigation has promulgated an order to the effect that "When members of the Navy Nurse Corps are embarked on a transport, either for passage or for duty on the trip, they are to be regarded as of the status of officers in the assignment of quarters, mess, etc." It is hoped that this will correct the misunderstanding of the status of the nurse, which was due to the lack of military title and frequently was the cause of much discomfort and suffering.

Beginning December 29, 1924, the superintendent of the Nurse Corps made an inspection trip to the United States naval hospital, Portsmouth, Va., and the stations in the West Indies.

On January 27, 1925, Miss Clare L. DeCeu, assistant superintendent of the Nurse Corps, returned from an inspection trip to the naval hospitals at Pearl Harbor, Guam, and Canacao.

During the past year, 14 nurses have taken advantage of the courses offered by the Bureau of Medicine and Surgery, in the following subjects: Anesthesia, 4; dietetics, 6; and physiotherapy, 4. Reports concerning the value of these specialized nurses have proved them to be a very successful addition to the hospital administration.

The retirement bill for Army and Navy nurses is yet to be passed, but it has been found to have many friends and the effort toward bringing the bill to the attention of Senators and Representatives, made by Miss Anna G. Davis, assistant superintendent of the Navy Nurse Corps, during the absence of the superintendent, deserves commendation. It is hoped that there will be no difficulties in the path of taking the bill through Congress next session.

TRAINING AND INSTRUCTION

Experience has served only to strengthen my long-standing conviction that the bureau has no more vital duty than the systematic training of medical department personnel.

It has become clear in recent years that the young physician, although he may be graduated from a class A school and an approved hospital, is by no means then equipped for service of the kind required of him in the Navy. On the contrary, he has laid only the groundwork of his training, having yet to enter on an apprenticeship which is needed primarily to acquaint him with his medicomilitary duties but chiefly to enable him to do work of the character set by modern standards. Nor is the process of instruction completed with apprenticeship. The rapidity with which investigators have continued to elaborate new and highly technical procedures precludes announcing a stage at which training can be declared complete. Education, in fact as in theory, must be unremitting, and circumstances make its maintenance an obligation of the Government.

The rise of modern specialism in the practice of medicine has introduced disturbing problems in Navy administration, as well as in civil life, and the wise and wholly satisfactory solution of those problems, either in the Navy or out, seems very distant. In the meanwhile the bureau, while not yet admitting exclusive specialism in principle, encourages officers to cultivate a major interest, and contributes practical aid whenever possible.

The regular medical and dental courses given at the Naval Medical School were attended by 30 officers during the year. Special courses at various institutes were taken by 68 medical officers, 13 dental officers, 14 nurses, and 114 members of the Hospital Corps.

This record represents perhaps the greatest amount of instruction possible to grant under current conditions, because, notwithstanding educational needs, it can rarely be possible to divert a larger number of personnel from routine duties. A limit being thus set to training by the Government, commendation is due a number of medical officers who, at their own expense or during leave of absence, have undertaken studies on their own initiative.

I take special pleasure in acknowledging indebtedness to other departments of the Government, to individuals in the Government service, and also to individuals and civil institutions who have freely and generously given of their time and facilities to further the efficiency of the Medical Department of the Navy.

INSPECTIONS OF HOSPITALS AND STATIONS

A thorough inspection of the naval hospitals and of the medical activities located at naval stations has been made during the present fiscal year with the result that these institutions are found to be well maintained and the professional work to be of a high order.

Total admissions to the hospitals have increased during the year as a result of a greater number of beneficiaries of the Veterans' Bureau treated and to a lesser extent to the admission of personnel from the Coast Guard service. Admissions from the Navy and Marine Corps have decreased.

The care of patients coming under the Veterans' Bureau has been successfully carried out. Disciplinary troubles have been slight and general satisfaction with the treatment accorded has been expressed by the Veterans' Bureau patients.

The policy of the bureau relative to the internal administration of the hospitals has been primarily the accentuation of the treat-

ment of the patient. To this end special attention has been given to the assignment to the leading staff positions of medical officers possessing special ability in the several lines of professional work. Frequent conferences of the hospital staffs for the discussion of cases are required and the general professional practice is enhanced by a close liaison with the local civil medical societies. At some hopitals eminent specialists have delivered addresses before the hospital staff, all of which has been beneficial not only to the medical officers but also places the Navy and the naval hospital in a favorable light with the civilian medical profession.

With the adoption of the practice of appointing selected graduates as assistant surgeons and then assigning them to naval hospitals for a year's interne service it has been requisite to develop a teaching service on the staffs of the larger hospitals. That this requirement has been successfully met is evidenced by the reports received from those under instruction and the popularity of the naval hospital interne service with the graduating classes. This procedure has not only relieved the deficiency in the number of medical officers but has brought into the service a superior personnel from the graduating classes. While not all the internes have elected to continue in the service, the indications are that the majority will remain, and those who resign constitute a valuable source of officers for the reserve.

In order to establish the fitness of the naval hospitals to meet the requirements for giving interne service the bureau invited a professional survey of certain hospitals by the hospital standardization committee of the American College of Surgeons. From the reports received regarding those hospitals visited by this committee it is evident that the naval hospitals have been found to far exceed the minimum requirements for interneship.

New construction completed during the year has been limited to the west coast hospitals. This consists of the nurses' quarters, the ward buildings, and the out-patient and laboratory buildings at the naval hospital, San Diego, Calif. An additional wing containing two wards was completed during the year at the naval hospital, Puget Sound, Wash.

The continued deterioration of the wooden structures is causing an increasing charge for repairs. While precautions have been taken to avoid depriving any hospital of equipment or supplies necessary for the proper care and comfort of the sick, the method of accounting for expenditures and the tabulation of comparative tables have been of aid in reducing the cost of maintenance and of subsistence. The average per diem cost per patient fell from $3.24 in 1924 to $3.10 in 1925. The periodical inspections of the various continental hospitals which have been made by the inspecting officers have resulted in keeping the bureau well informed as to the matériel condition and the needs of the various institutions. Information received as to the special qualifications of members of the various medical staffs is of greatest value in aiding the bureau in making assignments to duty.

Gratifying evidence of economy in operation and maintenance of the hospitals was generally manifest. The new system of accountability of property has taken on an increased importance during the

past year. This is specially useful in enabling the bureau to eliminate waste and reduce expenses without lessening efficiency.

Periodical analyses of operating expenses and of the hospital ration are furnished the hospitals by the bureau. These analyses enable the individual hospitals to compare their results with those of others and show wherein they excel or fall below the standard.

UNITED STATES NAVAL MEDICAL SCHOOL, WASHINGTON, D. C.

The Naval Medical School, which was established in 1902, completed the twenty-third year of its existence in the latter part of the fiscal year 1925, and the following report indicates the scope of the work done by it and shows the gratifying results which have attended its accomplishment.

Two classes received instruction during the fiscal year 1925. The first, from August 28, 1924, to December 20, 1924, consisted of 10 medical officers and 5 dental officers; and the second class was under instruction from January 23 to May 16, 1925, and consisted of 11 medical officers and 5 dental officers.

The scope of the work covered by the medical and dental faculties in these courses includes surgery, tropical and preventive medicine, medical diagnosis, cardiovascular diseases, naval hygiene and sanitation, field sanitation and hygiene, epidemiology, ophthalmology, laryngology, otology, genitourinary diseases, psychiatry, neurology, aviation medicine, medical department duties and administration, defense in chemical warfare, pathology, medical zoology, bacteriology, serology, hematology, endocrinology, chemistry, operative dentistry, oral hygiene, dental anesthesia, minor oral surgery, dental radiology, dental prosthesis, and metallurgy.

In addition to the courses given in the school, special courses in other institutions have been arranged for 58 medical officers, 11 dental officers, 17 pharmacists, 10 nurses, and 5 Hospital Corpsmen.

Two boards of medical examiners and two naval medical examining boards are in session at the school. During the year the boards of medical examiners have examined physically 134 officers for promotion, and naval medical examining boards have examined 226 officers professionally. The grand total of 360 board examinations shows an average of more than one board examination per day for each working day of the year.

The department of internal medicine has been very active in diagnostic work and the furtherance of health conservation for naval personnel. The work done has been of the highest character. This department has made 462 complete examinations in addition to the occasional examinations of persons referred by the Bureau of Medicine and Surgery.

The several laboratories of the school have been active in furthering the instruction done by the school as well as the diagnostic work for the service. The following figures express the volume of laboratory work done:

Electrocardiograms taken	379
Basal-metabolism studies	257
Serological examinations	7, 680
Pathological-tissue examinations	430
Hematological examinations	2, 503
Bacteriological examinations	1, 051
Sputum examinations	3, 915

Feces examinations	887
Guinea-pig inoculations	46
Chemical examinations	41
Clinical chemistry:	
Urinalyses	9, 830
Blood examinations	1, 094
Gastric contents	207
Spinal fluid	110
Miscellaneous	25
Total laboratory examinations	28, 455

In addition to the above-enumerated examinations, the laboratories have prepared and forwarded to various units the following:

Colloidal-gold solution	liters	38
Dakin's solution	do	130
Balch stain	mils	7, 500
Acetone insoluble antigen	do	760
Antihuman amboceptor	units	141, 000
Antisheep amboceptor	do	20, 000

The presence in this school of the division of preventive medicine of the Bureau of Medicine and Surgery is of much advantage to the student officers, since all reports bearing upon epidemiology from the entire Navy are available for study.

The class of student officers in attendance during the autumn session spent a week studying the medical problems incident to camp life at Quantico, Va. Owing to the participation of the Marines in the maneuvers in the Hawaiian Islands, it was felt that the class in attendance upon the spring session would not have opportunity for satisfactory study of camp life and organization of the medical regiment which was attending the maneuvers.

The multigraphing department has done a large amount of printing for the school and for the Bureau of Medicine and Surgery. The Monthly Health Index of the bureau is printed in this department.

The photographic department has had a busy year making photographs, enlargements, photomicrographs, lantern slides, and electrocardiograms.

The library continues to perform its function as a reference library and as a loan library for medical officers of the service. Approximately 157 new volumes have been added during the year and 63 medical and surgical periodicals are received regularly and are available in the reading room.

The dental department has proved a most valuable adjunct to the school. It trains student officers; trains hospital corpsmen as dental technicians; performs dental diagnostic and treatment work for the naval hospital, naval dispensary, and other naval activities where practicable, and for the Veterans' Bureau patients. The laboratory of the dental department makes prosthetic appliances of which 438 were completed during the year for persons in the naval service. Five thousand, four hundred and sixty-three sittings were given to naval personnel and 623 to Veterans' Bureau patients.

The department of aviation medicine instructs officers in the fundamentals of the physical examination necessary preliminary to flying, and also examines and reports upon the physical fitness for flying of the commissioned aviation personnel in this vicinage.

The naval hospital and St. Elizabeth's Hospital have been available for clinical teaching.

A total of 55 members of the Hospital Corps have received instruction as laboratory or dental technicians during the year.

The instructors in the various departments of the school have served with commendable zeal and loyalty.

During the meeting of the American Congress on Clinical Medicine in Washington in March, 1925, clinics and demonstrations were given in the laboratories and clinics of the school. These efforts were the subject of gratifying complimentary remark or correspondence from prominent men of the profession who attended the clinics and demonstrations at this school.

The American Society for Cancer Research held its sessions in the lecture room of this school May 5, 1925. The monthly meetings of the Washington branch of the Society of American Bacteriologists are held in the lecture room of this school.

In addition to the usual care and preservation work on the buildings, the following extraordinary work has been completed or is in progress at the close of the fiscal year:

1. Installation of new water main.
2. Removal of old water connections.
3. General overhaul of the roof.
4. Structural changes necessary to accommodate the Aviation Department moved from the dental building.
5. Changes incident upon expansion of Dental Department.
6. Installation of sump pit near southwest corner of the school.
7. Installation of new electrical switchboard and of new safe electric lines.
9. Erection of cyclone wire fence about the yard at the animal house.

NAVAL DISPENSARY, WASHINGTON, D. C.

The activities of the United States Naval Dispensary during the year are summarized in the following table:

Patients treated in the dispensary	16, 459
Outside calls made by medical officers	6, 341
Patients transferred to naval hospital	185
Patients invalided from service	0
Ambulance calls	75
Requisitions prepared, supply depot	22
Requisitions prepared, open purchase	17
Public bills prepared	166
Prescriptions filled	36, 793
Officers examined (annual)	506
Candidates for Naval Academy examined	97
Patients treated in eye, ear, nose, and throat clinic	15, 213
Patients treated in dental section	4, 113
Total number X-ray pictures taken at United States Naval Hospital	644
Patients treated in electrotherapy section	3, 436
Patients treated by chlorine gas	1, 312
Total number chlorine gas treatments	3, 245
Total number of patients treated	48, 807

AMERICAN RED CROSS

Under its congressional charter one of the purposes of the American Red Cross is "to act in matters of voluntary relief and in accord with the military and naval authorities as a medium of communication between the people of the United States of America and their Army and Navy."

At the conclusion of the World War the Secretary of the Navy requested the Red Cross to continue with the peace-time Navy certain phases of its operations which had been carried on during the war. It was particularly desired that the Red Cross continue to make contacts between the enlisted men and their families. It is a well-established fact that the morale of the enlisted man is directly influenced by conditions in his home; if there is suffering in the home due to illness, unemployment, etc., the morale of the man is low, whereas, if his home conditions are satisfactory, his morale is consequently high.

In April, 1917, the Red Cross undertook to create a nation-wide organization to help maintain the morale of the Nation's fighting forces. This work has been conducted and developed until to-day there is scarcely a naval station, marine barracks, or naval hospital that is not served either by a resident or visiting representative of the Red Cross. This phase of service which safeguards the interests of the enlisted man and the welfare of his home is known as home service.

Through the medium of the field director who serves with the forces and the Red Cross chapter having jurisdiction over the place of residence of the family adequate service is being rendered along the following lines:

The furnishing of relief in distress among families of service men.

Locating families or relatives for service men and locating service men for their families.

Reporting the illness of service men to members of their families upon recommendation of the commanding officer and advising the men of illness at home.

Furnishing helpful advice on welfare matters for families of service men.

Rendering assistance in securing proper employment for members of families.

Encouraging communication between service men and their families.

Rendering assistance in handling business difficulties of service men or of their families.

Furnishing information about particulars of the Government program, such as insurance, adjusted compensation, claims, and assistance in handling such matters, if requested.

Investigation of home conditions at the request of commanding officers, the Bureau of Navigation, Marine Corps headquarters, or the Judge Advocate General, and the securing of confidential information needed in considering questions of early discharge or furlough.

The furnishing of helpful advice to discharged disabled men returning to civilian life, with a view to their rehabilitation.

The Red Cross makes loans to service men for the following purposes:

1. To enable them to take advantage of a furlough for the purpose of recuperation after illness, when recommended by medical officers.
2. To return home on account of the serious illness or death of a member of the immediate family.

The Red Cross supplements and coordinates the recreational and entertainment activities among convalescent patients in the larger

naval hospitals. Representatives visit the wards of these hospitals regularly for the purpose of bringing to light problems that may be preying on the minds of the patients, thereby retarding their recovery, and such problems are solved through the cooperation of chapters and the naval authorities. In case of serious or prolonged illness, upon direct request of the commanding officer, bulletins are sent to the family reporting the patient's progress. The comforts and interests of relatives who may be summoned to the bedside of seriously ill service men are looked after, letters are written for patients who are unable to do so themselves, and all patients are urged to write home.

The carrying out of this program has greatly increased the activities of the Red Cross in naval hospitals during the past year and, regardless of whether the activity was medical social service, occupational therapy, or recreation, they, one and all, contributed in a therapeutic way. Efforts have been made to concentrate on those patients who, on account of physical or mental condition, needed one or more of these services to make medical treatment effective. Progress is noted in the following:

Social service.—Relatives of diabetic, nephritic, and cardiac cases have been referred to community agencies equipped to teach them nutrition, hygiene, etc., so as intelligently to care for such patients upon their discharge.

Patients with venereal disease are urged to cooperate in arranging for examination of other members of the family.

Vocational training has been secured for men discharged on approved recommendation of boards of medical survey. This is a contribution of enormous value, since the records show that approximately 2,000 patients were discharged from the Navy by medical survey during the year 1924.

Occupational therapy.—Cases requiring certain muscular movements in order to regain motion and usefulness are referred by medical officers for occupational therapy. Supervised occupation, as a method of overcoming restlessness due to hospitalization, is thoroughly appreciated. There is a keen realization that social service and occupational therapy must combine efforts to insure the rehabilitation of the patient.

The following statistics, as of May 30, 1925, will give some idea of the volume of this work in naval hospitals at the present time:

Naval hospitals with Red Cross program	11
Number of social workers	31
Number of occupational aids	16
Number of other workers	27
Number of patients in hospitals	3, 044
Number of cases referred for action	2, 635

During the year, the Bureau of Naval Affairs at national headquarters, under the direction of a member of the Naval Medical Corps, carried on the function of coordinating all Naval Red Cross activities, dealing with matters of special interest to the Navy, and rendering advice and aid to any department, bureau, or other subdivision of the Red Cross organization on matters relating to the Navy.

The bureau's method of operation, routine organization, recognized function and designated duty seem to be well known through the

naval service and the Red Cross organization as evidenced by the yearly increase in work. Among other activities, the following outline shows the kind and number of letters written during the fiscal year:

Investigation of home conditions at request of Navy Department and Marine Corps:		
Requests received and referred for investigation	2,273	
Reports submitted	2,366	
		4,639
Special investigations:		
For the Judge Advocate General	106	
For other Navy Department bureaus	21	
		127
Location of men		661
Financial problems		328
Adjusted compensation inquiries		440
Certificates of service obtained in lieu of lost or destroyed discharges, medals obtained, claims handled, etc		324
Welfare problems		53
Miscellaneous letters		724
Total		7,296

The total of letters for the fiscal year 1924 was 6,775.

VETERANS' BUREAU

The Bureau of Medicine and Surgery still authorizes the hospitalization of Veterans' Bureau patients in naval hospitals.

No reservations are made for definitely insane cases in any naval hospital and none for neuropsychiatric (not insane) cases in any naval hospital, except at Great Lakes, Ill., where 325 such cases can be accommodated and Chelsea, Mass., where accommodations for 100 are available.

Patients with tuberculosis are cared for in all naval hospitals, while at the Washington hospital there are 50 beds allotted to tuberculous Veterans' Bureau patients.

The physiotherapy departments in all hospitals have been enlarged and modern apparatus installed. Medical, Nurse, and Hospital Corps personnel have been trained in physiotherapy, with the result that this department has been greatly improved.

Trained personnel is assigned to hospitals caring for Veterans' Bureau patients for the purpose of instructing them in occupational therapy, as well as in academic and commercial studies.

Under the direction of commanding officers, these patients receive the same benefits of Red Cross service as do the patients of the regular Navy and Marine Corps. When indicated, after investigations by Red Cross personnel or other medical social service workers, necessary assistance is rendered.

The greatest number of Veterans' Bureau patients being hospitalized in naval hospitals was 1,773 during the week of February 24. The smallest number was 892 during the week of July 1, 1924. During this same week in 1925 there were 1,116.

Beneficiaries of the United States Veterans' Bureau have been treated at the following naval hospitals: Portsmouth, N. H., Chelsea, Mass., Newport, R. I., New York, N. Y., League Island, Pa., Wash-

ington, D. C., Norfolk, Va., Pensacola, Fla., Great Lakes, Ill., Puget Sound, Wash., Mare Island, Calif., San Diego, Calif., Guam, Marianas Islands, and Canacao, P. I.

DIVISION OF PHYSICAL QUALIFICATIONS AND MEDICAL RECORDS

The clerical force in this division at present consists of a minimum of personnel consistent with efficient function. Additional activities incident to the bonus and the Naval Reserve Force require increased searching and handling of records.

The large amount of routine work comprising medical surveys, deaths, waivers, proceedings of courts and boards, as well as the preparation of transcripts of medical records for purposes of promotion, retirement, and to the Veterans' Bureau, Pension Bureau, insurance and beneficial organizations, and individuals, has been greatly increased by the consideration of the medical aspects of enrollments, reenrollemnts, promotions, etc., in the Naval Reserve Force. During the past year the Veterans' Bureau was furnished 8,935 transcripts of medical records, and the Pension Bureau 2,569.

The Manual of the Medical Department was revised and chapter 11 on physical examinations entirely rewritten.

All jackets of medical records have been checked with the file cards, and many incomplete cards prepared during war time were replaced with completed cards containing full name with date and place of birth, thus facilitating the rapid pulling of jackets. New improved file cases for these cards were installed.

It is with deepest sorrow that I report the following list of officers of the Medical Corps, United States Navy and United States Naval Reserve Force, who have died in the past year:

Lieut. Glenn J. Parker, Medical Corps, United States Navy, July 19, 1924.

Capt. Phillips A. Lovering, Medical Corps, United States Navy (retired), September 28, 1924.

Capt. Archibald C. Rhoades, Medical Corps, United States Navy (retired), October 9, 1924.

Commander Morris B. Miller, Medical Corps, United States Naval Reserve Force, November 5, 1924.

Lieut. David G. Metheny, Medical Corps, United States Naval Reserve Force, December 15, 1924.

Rear Admiral William K. Van Reypen, Medical Corps, United States Navy (retired), December 22, 1924.

Commander George P. Lumsden, Medical Corps, United States Navy (retired), January 27, 1925.

Capt. Thomas H. Streets, Medical Corps, United States Navy (retired), March 3, 1925.

Capt. Manley F. Gates, Medical Corps, United States Navy (retired), March 31, 1925.

Lieut. Gerald Selby, Medical Corps, United States Navy, May 26, 1925.

THE ANNUAL PHYSICAL EXAMINATION

As stated earlier in this report, the annual physical examination of officers conducted in January, 1925, was the first to be held under the new plan which has been adopted whereby the greatest effort has been made to conserve officer personnel rather than to eliminate

the unfit. It is believed that the complete and thorough search by the medical officers conducting the examination together with the whole-hearted cooperation of those being examined will result in a reduction of the number of serious defects occurring among the personnel and a consequent reduction in the number of those found unfit for the service.

The confidential nature of the examination should be kept in mind at all times so that officers being examined will aid the examiner by disclosing their habits and former diseases without any fear of such disclosures having a deleterious effect upon their chances for selection.

The following indorsement by this bureau was placed upon a letter written by Vice Admiral N. A. McCully, United States Navy, to the Bureau of Navigation regarding the annual physical examination:

ERS:ESK
125111(123)
April 14, 1925.

Memorandum

1. The Bureau of Medicine and Surgery is inclined to agree with the statement of Vice Admiral N. A. McCully, United States Navy, in a recent letter to the Bureau of Navigation, in which he recommends that the annual physical examination be conducted solely from the standpoint of conservation of officer personnel rather than elimination. In this letter Admiral McCully makes the following statement: "However, I remain very firmly of opinion that any action tending toward elimination of defective officer personnel as a result of this examination, will defeat its most valuable feature of conserving officer material."

2. In "Naval Courts and Boards," section 1283, note 24, we have the following paragraphs:

"In every case where an officer becomes eligible for promotion by selection, and has since the last examination for promotion been subjected to severe illness, severe operation, or whose medical record in the grade he actually holds shows that a chronic disease or disability may exist, or that restoration to health from a previous disease or disability has not been complete, a special board of medical examiners will be ordered. This special board will examine the officer and report on him, using the same form as is used by the board of medical examiners for promotion given herein.

"The evidence, therefore, which will be submitted to the board on selection, relating to an officer's physical condition, will be the report of the board of medical examiners when he was last examined for promotion and the report of the special board, in case there be such. In case there has been no special board, then the report of the board of medical examiners at the time of his last promotion and a digest of his medical history in present grade will be submitted. (G. O. 385 of the series of 1913)."

3. While it is believed that the results of the annual physical examination should be considered solely from the standpoint of conservation, yet it would seem necessary that any important defect having a bearing on the qualifications of an officer should be taken up officially in recommending a special board, as called for under "Naval Courts and Boards," to be ordered in the cases of those officers found unfit to perform the active duties of their rank at sea.

4. In the opinion of this bureau there will only be a limited number of officers in this category, and it will make it unnecessary to call for the large number of special boards heretofore ordered.

E. R. STITT.

In order that there might be no misunderstanding as to the confidential nature of the examination, a joint letter of the Bureau of Navigation and the Bureau of Medicine and Surgery was prepared and forwarded to the Secretary of the Navy in May, 1925. It is considered of such importance that it is quoted here.

12511(51)
May 1, 1925.

From: Bureau of Navigation.
Bureau of Medicine and Surgery.
To: Secretary of the Navy.
Subject: Annual physical examination of officers and special boards for physical examination of officers eligible for selection for promotion.

1. In order that the annual physical examination of officers required by General Order No. 134, of August 14, 1924, may be of maximum value in the conservation of officer personnel, it is recommended that the reports of annual physical examination be considered confidential for the information of the officer concerned, that one copy of the report be given to the officer concerned, the original sent to the Bureau of Medicine and Surgery; and that General Order No. 134 be corrected accordingly.

2. It is further recommended that special boards for the physical examination of officers eligible for selection for promotion required by "Naval Courts and Boards, section 1283, note 24, be ordered, if requested by the officer concerned, and that "Naval Courts and Boards" be corrected accordingly.

W. R. SHOEMAKER.
E. R. STITT.

The following table shows the number of defects, both major and minor found at the January, 1925, examination:

DEFECTS FOUND ON ANNUAL PHYSICAL EXAMINATION

Overweight [1]	1,640	Lipoma	10
Underweight [1]	297	Tachycardia [5]	717
Defective vision [2]	731	Enlarged glands	46
Defective hearing [3]	535	Hemorrhoids	202
Defective color perception	58	Nasal spurs	62
Deviated septum [4]	612	Papilloma	1
Hypertrophied turbinates [5]	128	Hydrocele	14
Moderate hypertension [5]	338	Osteoma	1
High hypertension [5]	85	Varicose veins	106
Hypotension [5]	308	Albumin [5]	68
Cardiac diseases	37	Casts [5]	41
Enlarged thyroid	11	Sugar [5]	24
Hernia	67	Defective teeth [6]	702
Relaxed inguinal rings	202	Flat feet	96
Sinusitis	20	Ulcer stomach	3
Arrhythmia	45	Tuberculosis	2
Atrophied testicle	52	Asthma	1
Nervous symptoms	22	Anemia	1
Syphilis	10		

As will be noted many of the defects are of a minor nature and in no way interfere with the physical efficiency of the officers in whom they are found. The table represents conditions as they actually existed at the time of examination, no attempt being made, at the time, to determine the effect of the abnormalities upon the health and efficiency of the personnel. Analysis of the reports showed that comparatively few of the defects were serious enough to justify the sending of letters to the officers concerned, calling attention to the defects and suggesting that steps be taken to correct them. The number to whom it was considered advisable to send letters and the reasons for which they were sent are shown in the table below.

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[1] Based upon table of weights given in Manual for the Medical Department. Physical build and muscular condition not considered.
[2] Total number with vision below requirements, irrespective of whether or not vision was corrected by glasses. Length of service not considered.
[3] Number found defective on one examination. Constancy of defect and nature of duties not considered.
[4] Number with deformity of any degree, irrespective of presence or absence of symptoms of obstruction.
[5] Not determined to be constant.
[6] Includes also loss of teeth, whether or not replaced by satisfactory plates, etc.

The number of defects found and recorded at the 1925 examination was greatly in excess of the number found the year before. This was to be expected and is simply an indication of the greater thoroughness with which the examination was conducted under the new system adopted in 1925, rather than a sign that more defects existed in that year. It is believed that as a result of the more complete examination and of the steps taken to correct the defects found, there will be a gradual decline in the number of officers found defective at each succeeding annual examination.

The following table shows the number of letters sent because of the defects noted:

DEFECTS SUFFICIENTLY GRAVE TO REQUIRE LETTERS

Albumin	12	Hypotension	2
Casts	8	Overweight	421
Defective hearing	87	Tachycardia	247
Defective vision	88		
Extra systole (arrhythmia)	2	Total number of letters sent	1,103
Glycosuria	12		
Hypertension	224		

DIVISION OF PREVENTIVE MEDICINE

The activities of this division may be summarized as follows:

1. Collection and editing of morbidity and mortality reports, compilation of vital statistics, and preparation of graphic records. Analysis of annual and current statistics, study of the trend of morbidity rates, and deviations from the usual or expected incidence of disease. Search for statistical evidence that may suggest the need or advisability of instituting special preventive measures or indicate the desirability of epidemiological or laboratory investigation.

2. Study of annual, monthly, and special sanitary reports, and epidemiological reports submitted to the bureau. Recommendations regarding sanitary conditions and improvements with special reference to housing, ventilation, heating, and lighting; toilet and bathing facilities; drainage, purity of the water supply; disposal of sewage; disposal of refuse; extermination of insects and vermin; food and conditions under which food is received, handled, prepared, and served; ship hygiene; industrial hygiene; personal hygiene; and clothing.

3. Study of health conditions in civilian communities constituting the environment of naval stations and ports visited by naval vessels. Study of health reports and bulletins published by the United States Public Health Service and by State and local health departments. Cooperation with Federal, State, and local health officials. Review of literature relating to the prevention of accidents and injuries.

4. Dissemination of information relating to preventive medicine for the use of medical officers of the Navy through the pages of the United States Naval Medical Bulletin published monthly by the bureau, division of publications; preparation of a monthly statistical index of health conditions in the Navy.

5. Provision for a course of instruction at the United States Naval Medical School in naval hygiene, epidemiology, sanitation, and prevention and control of communicable diseases.

FINANCIAL DIVISION

The accountability system for hospitals and other medical activities inaugurated during the fiscal year 1924 has continued to operate satisfactorily during 1925.

The tables which follow show the actual operating cost of the various hospitals and the Medical Department expenditures for supplies and services on board ships and at shore stations.

Financial statement No. 1.—Showing amounts expended under each title of appropriation and issues from naval medical supply depots, less reimbursements from Veterans' Bureau and naval sources

Appropriation:		
5801. Medical Department	$2,233,642.74	
Less: Reimbursements	544,340.83	
		$1,689,301.91
5802. Contingent, Medicine and Surgery	380,947.70	
Less: Reimbursements	30,677.58	
		350,270.12
5806. Care of the dead		38,448.27
5815. Naval hospital fund	$3,321,557.95	
Less: Reimbursements	2,032,606.13	
		1,288,951.82
Total expenditures (less reimbursements) from appropriations, fiscal year 1925		3,366,972.12
Issues from supply depots	826,812.43	
Less: Purchase of stock (included in amounts shown under appropriations)	606,823.96	
		219,988.47
Total cost to Medical Department		3,586,960.59

Financial statement No. 2.—Naval hospital fund

Balance, July 1, 1924	$3,496,714.32
Receipts during fiscal year 1925	4,018,670.71
Total	7,515,385.03
Expenditures, maintenance of sick in hospitals	3,321,557.95
Balance June 30, 1925	4,193,827.08
Less: Amount obligated for new construction	2,879,602.51
Unobligated balance	1,314,224.57

Financial statement No. 3.—Medical stores

Balance July 1, 1924:		
At medical supply depot, Brooklyn, N. Y.	$2,332,794.87	
At medical supply depot, Mare Island, Calif.	634,509.02	
At medical supply depot, Canacao, P. I.	103,136.75	
In transit	2,654.34	
		$3,073,094.98
Receipts:		
From purchase	663,664.54	
From naval supply account fund	8,285.73	
From other Government departments	8,324.42	
From material returned to store	72,051.74	
From reclaimed material	8,377.04	
From gain by inventory	261.08	
		760,964.55
Total		3,834,059.53

Expenditures:		
To ships	$238,347.91	
To stations	244,096.56	
To hospitals and hospital ships	344,368.56	
To other Government departments	6,016.07	
To depot for test	420.11	
To depot for use	8,814.86	
To survey	62,434.08	
To sale of surplus	104,196.00	
To loss by inventory	294.36	
		$1,008,988.51
Balance June 30, 1925:		
At medical supply depot, Brooklyn, N. Y.	1,993,563.02	
At medical supply depot, Mare Island, Calif.	652,081.98	
At medical supply depot, Canacao, P. I.	118,479.88	
In transit	60,946.14	
		2,825,071.02
Total		3,834,059.53
Balance July 1, 1924		3,070,440.64
Balance June 30, 1925		2,825,071.02
Decrease		245,369.62

Statement showing expenses and per diem cost in naval hospitals for fiscal year ending June 30, 1925

GROUP 1

Statistics	San Diego, Calif.	Chelsea, Mass.	Norfolk, Va.
Total sick days	153,104	154,899	148,921
Daily average of patients	419.46	424.38	408
Total admissions	3,832	3,632	3,692
Total discharges	3,800	3,647	3,910
Average discharge ratio (per cent)	2.48	2.35	2.63
Total cost of food expended	$143,317.50	$143,119.04	$204,195.22
Total subsistence days	228,328	228,077	330,968
Average cost of subsistence	$0.6277	$0.6275	$0.6170

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Administration	$12,921.69	$0.0844	$18,242.55	$0.1178	$13,287.15	$0.0892
Wards	11,881.39	.0776	7,403.97	.0478	10,841.79	.0728
Operating room	3,302.33	.0216	4,599.92	.0297	1,711.83	.0115
X Ray	5,217.06	.0347	3,666.48	.0237	3,003.15	.0202
Hydrotherapy and physiotherapy	62.12	.0005	199.57	.0013	75.25	.0005
Dispensary	8,045.15	.0525	5,657.49	.0365	4,458.35	.0299
Dental	2,038.93	.0133	194.35	.0013	88.80	.0006
Laboratory	921.25	.0060	1,642.54	.0107	1,290.79	.0087
Laundry	23,677.17	.1546	10,565.49	.0682	8,475.86	.0569
Transportation	12,405.96	.0810	11,047.13	.0713	11,025.29	.0740
Heat, light, and power	61,242.53	.4000	82,105.32	.5300	71,518.85	.4802
Maintenance, building and grounds	31,581.04	.2063	45,069.22	.2909	86,273.34	.5792
Commissary	172,670.46	1.1277	175,467.60	1.1326	189,700.10	1.2736
Housekeeping	8,056.27	.0526	6,806.68	.0439	1,389.11	.0093
Nurses' quarters	3,477.04	.0227	4,732.30	.0305	3,097.25	.0208
Hospital Corps quarters	256.12	.0017	123.68	.0008	239.60	.0016
Staff quarters	----------	-------	7.57	.0000	692.18	.0046
Occupational therapy	----------	-------	11,260.02	.0727	1,941.66	.0130
Surveys (equipment)	8,295.49	.0542	23,792.10	.1536	27,982.25	.1879
Miscellaneous	----------	-------	9.06	.0001	1,250.00	.0084
Net operating expense	366,059.00	2.3907	412,593.04	2.6633	438,342.60	2.9430
Navy as a whole	$10,115.89		$2,556.75		$6,992.09	
Gross expenditures	376,174.89		415,149.79		445,334.69	

Statement showing expenses and per diem cost in naval hospitals for fiscal year ending June 30, 1925—Continued

GROUP ONE—Continued

Statistics	New York, N. Y.	League Island, Pa.	Mare Island, Calif.	Great Lakes, Ill.
Total sick days	157,164	115,437	106,986	163,614
Daily average of patients	430.59	316.27	293.11	448.26
Total admissions	4,110	3,356	2,321	1,813
Total discharges	4,279	3,464	2,345	1,776
Average discharge ratio (per cent)	2.72	3.00	2.19	1.09
Total cost of food expended	$155,691.04	$135,242.31	$139,653.72	$154,179.73
Total subsistence days	252,541	208,187	217,892	241,928
Average cost of subsistence	$0.6165	$0.6496	$0.6409	$0.6373

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Administration	$15,247.22	$0.970	$13,290.63	$0.1151	$8,451.88	$0.0790	$13,287.57	$0.0812
Wards	6,379.68	.0406	11,376.21	.0985	6,120.19	.0572	4,525.60	.0277
Operating room	3,691.29	.0235	3,510.35	.0304	3,505.44	.0328	1,084.27	.0066
X Ray	3,676.31	.0234	4,330.77	.0375	3,985.49	.0373	4,582.13	.0280
Hydrotherapy and physiotherapy	1,475.37	.0094	82.99	.0007	280.90	.0026	41.05	.0003
Dispensary	7,260.03	.0462	6,277.43	.0544	6,972.02	.0652	6,555.78	.0401
Dental	917.58	.0058	185.61	.0016	660.16	.0062	531.96	.0033
Laboratory	1,039.69	.0066	1,605.65	.0139	1,208.97	.0113	2,060.38	.0126
Laundry	13,133.80	.0836	11,329.50	.0981	13,943.85	.1303	16,024.04	.0979
Transportation	13,398.11	.0852	7,771.00	.0673	12,871.32	.1203	17,851.31	.1091
Heat, light, and power	106,246.70	.6759	53,010.27	.4592	70,765.81	.6614	117,104.23	.7156
Maintenance, building and grounds	55,421.47	.3526	46,921.08	.4064	31,422.02	.2937	99,383.45	.6073
Commissary	194,980.00	1.2405	161,370.51	1.3978	139,386.54	1.3028	194,235.22	1.1870
Housekeeping	20,023.27	.1274	4,704.38	.0407	3,211.37	.0300	6,959.46	.0425
Nurses' quarters	4,113.96	.0262	4,641.82	.0402	1,988.51	.0186	4,559.08	.0279
Hospital Corps quarters	327.75	.0021	236.61	.0020	102.75	.0010	300.39	.0018
Staff quarters	147.24	.0009	----------	-------	184.24	.0017	337.74	.0021
Occupational therapy	9,569.45	.0609	----------	-------	----------	-------	11,734.30	.0717
Surveys (equipment)	12,402.62	.0789	15,447.06	.1338	21,363.87	.1997	34,446.93	.2105
Miscellaneous	23.31	.0001	----------	-------	2,755.00	.0258	----------	-------
Net operating expense	469,474.85	2.9868	346,092.37	2.9979	329,180.33	3.0768	535,604.89	3.2731
Navy as a whole	$4,830.59		$2,190.72		$1,737.10		$1,016.00	
Contingencies and losses	408.49		24.89		280.04		47,640.50	
Gross expenditures	474,713.93		348,307.98		331,197.47		584,261.39	

GROUP TWO

Statistics	Washington, D. C.	Puget Sound, Wash.	Newport, R. I.	Annapolis, Md.
Total sick days	106,347	40,888	49,423	19,103
Daily average of patients	291.36	112.02	135.41	52.34
Total admissions	2,385	1,028	1,288	973
Total discharges	2,394	1,058	1,232	1,152
Average discharge ratio (per cent)	2.25	2.59	2.49	6.03
Total cost of food expended	$124,515.12	$46,386.04	$56,090.19	$44,296.14
Total subsistence days	166,106	68,654	81,863	58,752
Average cost of subsistence	$0.7496	$0.6756	$0.6852	$0.7540

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Administration	$13,071.51	$0.1229	$5,521.53	$0.1350	$7,028.82	$0.1422	$5,300.85	$0.2775
Wards	7,924.71	.0745	2,321.26	.0568	1,646.59	.0333	1,319.97	.0691
Operating room	2,899.57	.0273	990.99	.0242	1,567.69	.0317	1,630.62	.0854
X ray	2,300.69	.0216	1,303.69	.0319	805.92	.0163	773.46	.0405
Hydrotherapy and physiotherapy	235.38	.0022	----------	-------	36.66	.0007	73.69	.0039
Dispensary	6,773.39	.0637	2,484.13	.0608	2,940.63	.0595	1,327.28	.0695
Dental	----------	-------	58.62	.0014	322.90	.0065	----------	-------
Laboratory	----------	-------	775.41	.0190	1,260.20	.0255	402.71	.0211

Statement showing expenses and per diem cost in naval hospitals for fiscal year ending June 30, 1925—Continued

GROUP TWO—Continued

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Laundry	$11,699.14	$0.1100	$9,662.35	$0.2363	$5,833.09	$0.1180	$7,267.37	$0.3804
Transportation	4,859.12	.0457	6,525.88	.1596	5,325.51	.1078	5,520.11	.2890
Heat, light, and power	50,697.83	.4767	27,179.73	.6647	49,056.49	.9926	34,770.18	1.8201
Maintenance, building and grounds	45,164.55	.4247	26,810.52	.6557	20,981.02	.4245	23,550.56	1.2328
Commissary	159,720.70	1.5019	56,493.51	1.3817	66,165.90	1.3387	58,240.20	3.0487
Housekeeping	6,212.45	.0584	1,370.95	.0335	2,847.49	.0576	2,368.23	.1240
Nurses' quarters	3,064.92	.0288	2,282.70	.0558	2,842.47	.0575	1,838.56	.0962
Hospital corps quarters	187.64	.0018	52.02	.0013	120.42	.0024	188.79	.0099
Staff quarters	3.48	.00003	38.90	.0010	----------	-------	61.72	.0032
Occupational therapy	4,913.92	.0462	----------	-------	4.02	.0001	----------	-------
Surveys (equipment)	11,548.32	.1086	3,113.28	.0761	15,009.40	.3037	7,529.60	.3942
Miscellaneous	----------	-------	----------	-------	453.95	.0092	----------	-------
Net operating expense	331,277.32	3.1150	146,985.47	3.5948	184,249.17	3.7297	152,163.90	7.9653
Navy as a whole	$1,790.93		$2,842.73		$2,225.60		$1,235.28	
Contingencies and losses	----------		----------		----------		----------	
Gross expenditures	333,078.25		149,828.19		186,474.77		153,399.18	

GROUP THREE

Statistics	Parris Island, S. C.	Pensacola, Fla.	Portsmouth, N. H.	Charleston, S. C.	Key West, Fla.
Total sick days	27,583	20,299	16,428	5,899	3,344
Daily average of patients	75.57	55.61	45.01	16.16	9.16
Total admissions	950	561	481	174	165
Total discharges	968	556	475	202	167
Average discharge ratio (per cent)	3.51	2.74	2.89	3.42	4.99
Total cost of food expended	$30,793.51	$26,364.27	$23,603.98	$13,036.86	$7,993.93
Total subsistence days	46,605	37,386	34,457	16,034	9,917
Average cost of subsistence	$0.6607	$0.7052	$0.6850	$0.8131	$0.8061

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Administration	$233.40	$0.0086	$1,616.21	$0.0796	$1,848.38	$0.1125	$1,748.47	$0.2964	$1,623.86	$0.4856
Wards	1,020.64	.0370	1,257.42	.0619	1,757.07	.1070	333.78	.0566	173.68	.0519
Operating room	1,324,29	.0480	1,376.09	.0678	668.28	.0407	502.79	.0852	93.45	.0279
X ray	587.61	.0213	679.83	.0335	193.06	.0118	158.00	.0268	113.46	.0339
Hydrotherapy and physiotherapy	----------	-------	----------	-------	----------	-------	78.43	.0133	----------	-------
Dispensary	1,753.83	.0636	1,413.32	.0696	1,096.78	.0668	724.72	.1229	316.33	.0946
Dental	----------	-------	----------	-------	----------	-------	87.51	.0148	----------	-------
Laboratory	213.29	.0077	243.52	.0120	135.20	.0082	17.69	.0030	72.04	.0215
Laundry	1,897.35	.0688	3,452.15	.1701	4,010.97	.2442	1,788.35	.3032	645.60	.1931
Transportation	1,990.72	.0722	1,705.74	.0840	2,742.91	.1670	2,468.06	.4184	2,153.96	.6441
Heat, light, and power	6,389.50	.2316	17,842.18	.8790	23,811.85	1.4495	11,036.62	1.8709	4,435.27	1.3263
Maintenance, building and grounds	9,892.02	.3586	18,448.22	.9088	6,845.96	.4167	7,232.47	1.2260	10,358.90	3.0978
Commissary	35,107.36	1.2728	32,673.96	1.6096	32,054.79	1.9512	17,740.17	3.0073	11,195.14	3.3478
Housekeeping	----------	-------	19.32	.0010	1,308.09	.0796	626.55	.1062	143.56	.0429
Nurses' quarters	941.72	.0341	589.44	.0290	965.16	.0588	493.48	.0837	4.81	.0014
Hospital corps quarters	77.70	.0228	68.78	.0034	61.28	.0037	34.94	.0059	22.38	.0067
Staff quarters	100.35	.0036	73.63	.0036	----------	-------	4,473.87	.7584	----------	-------
Surveys (equipment)	1,076.51	.2203	3,896.99	.1920	1,680.86	.1023	3,816.74	.6470	1,346.96	.4028
Net operating expense	67,606.29	2.4510	85,356.80	4.2049	79,180.64	4.8198	53,362.64	9.0460	32,699.40	9.7785
Navy as a whole	$469.00		$702.00		$522.13		$970.15		$664.04	
Contingencies and losses	----------		1.00		----------		----------		----------	
Gross expenditures	68,075.29		86,059.80		79,702.77		54,332.79		33,363.44	

Statement showing expenses and per diem cost in naval hospitals for fiscal year ending June 30, 1925—Continued

GROUP FOUR

Statistics	Guam, Marianas Islands	Canacao, P. I.	Pearl Harbor, Hawaii	St. Thomas, Virgin Islands
Total sick days	34,860	53,594	33,674	3,504
Daily average of patients	95.51	146.83	92.26	9.60
Total admissions	2,544	1,429	1,097	121
Total discharges	2,556	1,420	887	116
Average discharge ratio (per cent)	7.33	2.65	2.63	3.31
Total cost of food expended	$25,488.72	$55,441.00	$41,626.73	$6,375.10
Total subsistence days	35,760	84,295	63,890	9,800
Average cost of subsistence	$0.7128	$0.6577	$0.6515	$0.6505

Department	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem	Cost each department	Per diem
Administration	$641.40	$0.0184	$1,700.11	$0.0317	$2,425.35	$0.0720	$67.79	$0.0193
Wards	1,969.44	.0565	3,402.80	.0635	2,118.37	.0629	280.18	.0800
Operating room	1,190.52	.0342	2,731.94	.0510	1,612.08	.0479	387.04	.1105
X ray	357.84	.0103	1,045.29	.0195	924.64	.0275	218.18	.0623
Dispensary	3,147.72	.0903	3,650.25	.0681	2,291.70	.0681	864.22	.2466
Dental	405.60	.0116	295.76	.0055	174.59	.0052	222.68	.0636
Laboratory	1,175.64	.0337	1,283.83	.0240	725.00	.0215	59.85	.0171
Laundry	1,548.24	.0444	1,282.74	.0239	6,243.46	.1854	583.20	.1664
Transportation	2,670.12	.0766	1,403.98	.0262	5,831.72	.1732	944.32	.2695
Heat, light, and power	8,542.20	.2450	22,607.07	.4218	21.869.18	.6494	1,289.46	.3680
Maintenance, buildings and grounds	5,474.04	.1570	21,520.92	.4015	31,053.03	.9222	1,771.82	.5057
Commissary	27,529.92	.7897	60,238.32	1.1239	53,757.11	1.5964	7,590.12	2.1661
Housekeeping	47.28	.0014	77.08	.0014	----------	-------	----------	-------
Nurses' quarters	385.20	.0110	78.60	.0015	700.22	.0208	----------	-------
Hospital corps quarters	69.36	.0020	48.43	.0009	123.48	.0037	----------	-------
Staff quarters	----------	-------	----------	-------	51.00	.0015	----------	-------
Surveys (equipment)	6,737.81	.1933	38,414.14	.7167	3,350.47	.0995	1,029.78	.2939
Miscellaneous	----------	-------	42.85	.0008	----------	-------	----------	-------
Net operating expense	61,892.33	1.7754	159,824.11	2.9820	133,251.39	3.9570	15,308.64	4.3689
Navy as a whole	$215.15		$1,155.29		$2,168.02		$325.44	
Contingencies and losses	235.11		----------		140.35		350.00	
Gross expenditures	62,342.59		160,979.40		135,559.76		15,984.08	

Consolidated report of statements showing expenses and per diem cost in naval hospitals for fiscal year 1925

GROUPS ONE, TWO, THREE, AND FOUR

Statistics	All naval hospitals
Total sick days	1,415,071
Daily average of patients	3,876.91
Total admissions	35,960
Total discharges	36,404
Average discharge ratio (per cent)	2.57
Total cost of food expended	$1,577,410.15
Total subsistence days	2,421,440
Average cost of subsistence	$0.6514

Department	Cost each department	Per diem
Administration	$137,566.37	$0.0972
Wards	84,054.74	.0594
Operating room	38,281.28	.0271
X ray	37,923.06	.0268
Hydrotherapy and physiotherapy	2,648.41	.0019
Dispensary	74,010.55	.0523
Dental	6,185.05	.0044

Departments	Cost each department	Per diem
Laboratory	$16,133.65	$0.0114
Laundry	153,063.72	.1082
Transportation	130,512.27	.0922
Heat, light, and power	841,421.27	.5947
Maintenance, buildings and grounds	625,175.64	.4418
Commissary	1,846,317.63	1.3047
Housekeeping	66,171.54	.0468
Nurses' quarters	40,797.24	.0288
Hospital Corps quarters	2,642.12	.0019
Staff quarters	6,171.92	.0044
Occupational therapy	39,423.37	.0279
Surveys (equipment)	247,281.18	.1747
Miscellaneous	4,534.17	.0032
Net operating expense	4,400,505.18	3.1097
Navy as a whole	$44,724.90	
Contingencies and losses	49,080.38	
Gross expenditures	4,494,310.46	

Statement showing actual Medical Department expenditures of supplies and service on board ships and at shore stations

	Labor and clerical	Special diets	Laundry	Medical and dental supplies, etc.	Total	Average complement	Average per diem cost based on average complement	Care of the dead
MISCELLANEOUS								
Bureau of Medicine and Surgery								$1,796.35
Naval dispensary, Washington, D. C	$6,683.28		$1,032.12	$15,160.24	$22,875.64			
Naval Medical School	23,753.89		601.52	46,438.95	70,794.36			
Naval Academy			480.00	15,766.04	16,246.04	3,600	$0.01236	
Naval medical supply depot, Brooklyn, N. Y	91,317.52		138.50	18,829.45	110,285.47			
Naval medical supply depot, Mare Island, Calif	16,530.96			2,418.73	18,949.69			
Naval medical supply depot, Canacao, P. I	1,483.44			709.86	2,193.30			
Navy supply depot, Brooklyn, N. Y			48.36	762.82	811.18	23	.09663	
Naval prison, Portsmouth, N. H		$127.15		793.08	920.23	538	.00468	
Naval proving grounds, Indianhead, Md			198.20	1,320.13	1,518.33	182	.02285	5.07
Naval mine depot, Yorktown, Va			70.15	463.83	533.98	63	.02322	
Naval Home, Philadelphia, Pa				599.80	599.80	278	.00591	
Helium plant, Fort Worth, Tex				199.25	199.25	7	.07798	
Naval ordnance plant, Baldwin, Long Island				275.17	275.17	50	.00503	
Naval ordnance plant, South Charleston, W. Va			48.77	523.06	571.83	125	.01253	
NAVY YARD AT—								
Portsmouth, N. H			292.24	1,322.01	1,614.25	493	.00897	
Boston, Mass	4,003.47		611.34	6,240.26	10,855.07	2,498	.01191	
New York, N. Y	1,782.23		295.75	5,574.88	7,652.86	388	.05404	
Philadelphia, Pa	1,171.86		58.75	8,971.69	10,202.30	1,290	.02166	
Washington, D. C	1,171.84		346.32	4,084.83	5,602.99	701	.02190	
Norfolk, Va	1,976.86		108.57	2,206.16	4,291.59	190	.06188	
Mare Island, Calif			555.53	8,327.43	8,882.96	1,135	.02144	
Puget Sound, Wash	1,244.94		196.11	5,117.71	6,558.76	654	.02747	
Pearl Harbor, Hawaii			85.66	1,521.83	1,607.49	1,687	.00261	
RECEIVING SHIP AT—								
Boston, Mass				1,049.45	1,049.45	248	.01159	
New York, N. Y			219.67	2,321.09	2,540.76	628	.01108	
Philadelphia, Pa			344.09	3,556.09	3,900.18	1,255	.00851	
Charleston, S. C			63.54	1,275.50	1,339.04	207	.01772	
San Francisco, Calif		46.08	386.51	2,774.78	3,207.37	569	.01544	81.00
Puget Sound, Wash			57.57	892.12	949.69	252	.01032	
Pearl Harbor, Hawaii			91.64	617.05	708.69	189	.01027	
Cavite, P. I			5.28	271.57	276.85	121	.00627	
SUBMARINE BASE AT—								
New London, Conn		438.00	1,344.53	13,488.19	15,270.72	982	.04260	107.00
Coco Solo, Canal Zone		463.48	557.28	6,254.30	7,275.06	1,027	.01941	128.00
Pearl Harbor, Hawaii			207.33	2,263.88	2,471.21	1,040	.00651	
NAVAL TORPEDO STATION AT—								
Newport, R. I	606.62		248.20	1,836.52	2,691.34	447	.01649	
Keyport, Wash			90.32	510.87	601.19	148	.01113	
NAVAL TRAINING STATION AT—								
Newport, R. I		178.01	946.11	6,854.25	7,978.37	1,130	.01934	
Hampton Roads, Va	9,782.88		1,615.06	20,086.81	31,484.75	3,778	.02283	
Great Lakes, Ill				7,600.08	7,600.08	1,236	.01684	
San Diego, Calif	1,244.89		663.59	5,527.51	7,435.99	1,760	.01157	

Statement showing actual Medical Department expenditures of supplies and service on board ships and at shore stations—Continued

	Labor and clerical	Special diets	Laundry	Medical and dental supplies, etc.	Total	Average complement	Average per diem cost based on average complement	Care of the dead
NAVAL STATION AT—								
Key West, Fla	$756.78		$75.54	$1,246.96	$2,079.28	177	$0.03218	
New Orleans, La		$6.96	143.46	2,524.16	2,674.58	123	.05957	$298.00
Olongapo, P. I	1,442.32		75.21	955.43	2,472.96	93	.07285	
Cavite, P. I	1,130.08		232.52	4,571.79	5,934.39	444	.03662	
Tutuila, Samoa	249.60	113.33	298.82	12,517.58	13,179.33	177	.20399	20.00
NAVAL AIR STATION AT—								
Lakehurst, N. J		67.59	351.48	1,462.26	1,881.33	531	.00970	
Anacostia, D. C			96.75	784.49	881.24	213	.01133	
Pensacola, Fla			240.29	3,574.00	3,814.29	849	.01230	
San Diego, Calif	1,244.90		230.36	3,184.52	4,659.78	1,211	.01054	
Pearl Harbor, Hawaii			98.56	603.96	702.52	199	.00967	
MARINE CORPS BARRACKS AT—								
Philadelphia, Pa		116.85	40.31	1,586.96	1,744.12	361	.01323	
Washington, D. C			92.22	885.41	977.63	340	.00788	
Quantico, Va	25,129.75	14,252.81	6,099.55	19,404.03	64,886.14	4,045	.04394	1,442.00
Norfolk, Va				1,024.40	1,024.40	680	.00413	
Parris Island, S. C				6,125.75	6,125.75	2,216	.00757	
San Diego, Calif		132.60	421.63	5,659.10	6,213.33	1,384	.01230	
Christiansted, Virgin Islands		23.50	73.62	373.75	470.87	48	.02687	
St. Thomas, Virgin Islands			16.56	274.12	290.68	183	.00435	
MARINE CORPS ACTIVITY AT—								
Regimental surgeon, Santo Domingo				127.30	127.30	240	.03530	
Base hospital, Santo Domingo			8.56	118.99	127.55	40	.18202	
Field hospital, Santiago, Dominican Republic			32.09	1,262.88	1,294.97	522	.13700	
Brigade surgeon, Port au Prince, Haiti	300.00	3,001.45	1,976.82	15,018.30	20,296.57	1,315	.04228	896.00
Constabulary detachment, Port au Prince, Haiti				170.68	170.68	122	.00383	
Marine detachment, Managua, Nicaragua				2,116.12	2,116.12	141	.04112	443.26
Sixth Regiment, Guantanamo Bay, Cuba				1,089.41	1,089.41	342	.00872	
Depot of supplies, Philadelphia, Pa				185.53	185.53	151	.00336	
NAVAL RADIO STATION AT—								
Bar Harbor, Me				58.04	58.04	21	.00757	
Cordova, Alaska				95.52	95.52	78	.00335	
San Juan, P. R			22.00	224.96	246.96	59	.01147	
NAVAL AMMUNITION DEPOT AT—								
Hingham, Mass			68.40	504.96	573.36	50	.03141	
Iona Island, N. Y			88.45	369.73	458.18	66	.01902	
Dover, N. J			88.80	538.42	627.22	72	.02386	
Fort Mifflin, Pa				296.56	296.56	172	.00472	
Portsmouth, Va				371.17	371.17	52	.01955	
NAVAL DISTRICTS								
First				91.78	91.78	60	.00419	
Third				605.33	605.33	490	.00338	102.00
Ninth				1,147.61	1,147.61	188	.01670	
Thirteenth				274.95	274.95	190	.00396	1.00
Fifteenth				12,711.09	12,711.09	125	.27859	729.50
NAVY RECRUITING STATION AT—								
Albany, N. Y				79.59	79.59	12	.01817	
Atlanta, Ga				680.53	680.53	48	.03884	
Baltimore, Md				49.49	49.49	15	.00903	
Birmingham, Ala				215.92	215.92	16	.03697	

Statement showing actual Medical Department expenditures of supplies and service on board ships and at shore stations—Continued

	Labor and clerical	Special diets	Laundry	Medical and dental supplies, etc.	Total	Average complement	Average per diem cost based on average complement	Care of the dead
NAVY RECRUITING STATION AT—continued								
Boston, Mass				$40.00	$40.00	15	$0.00730	
Brooklyn, N. Y				2.49	2.49	13	.00052	
Buffalo, N. Y				43.66	43.66	30	.00399	
Chicago, Ill				88.55	88.55	18	.01348	
Dallas, Tex				169.71	169.71	14	.03321	
Denver, Colo				37.78	37.78	12	.00862	
Des Moines, Iowa				212.27	212.27	13	.04473	
Detroit, Mich				279.65	279.65	16	.04788	
Indianapolis, Ind				11.69	11.69	12	.00267	
Kansas City, Mo				145.62	145.62	30	.01329	
Little Rock, Ark				163.50	163.50	14	.03199	
Los Angeles, Calif				30.91	30.91	26	.00325	
Louisville, Ky				159.85	159.85	13	.03368	
Milwaukee, Wis				104.65	104.65	12	.02389	
Minneapolis, Minn				22.37	22.37	11	.00557	
Nashville, Tenn				25.19	25.19	13	.00531	
Newark, N. J				12.15	12.15	14	.00237	
New Haven, Conn				27.57	27.57	13	.00581	
New Orleans, La				14.02	14.02	12	.00320	
Omaha, Nebr				58.43	58.43	10	.01601	
Philadelphia, Pa				34.50	34.50	33	.00286	
Pittsburgh, Pa				4.20	4.20	3	.00320	
Portland, Oreg				182.64	182.64	12	.04169	
Providence, R. I				27.91	27.91	11	.00695	
Raleigh, N. C				221.80	221.80	15	.04051	
Richmond, Va				13.96	13.96	14	.00273	
Salt Lake City, Utah				235.27	235.27	11	.05859	
San Francisco, Calif				73.36	73.36	12	.01675	
Seattle, Wash				172.33	172.33	12	.03934	
Springfield, Mass				272.65	272.65	11	.06791	
St. Louis, Mo				69.91	69.91	29	.00660	
MARINE CORPS RECRUITING STATION AT—								
Charlotte, N. C				3.00	3.00	7	.00117	
Chicago, Ill				237.01	237.01	23	.02823	
Cincinnati, Ohio				4.88	4.88	13	.00103	
Cleveland, Ohio				41.57	41.57	11	.01035	
Houston, Tex				128.49	128.49	14	.02514	
Indianapolis, Ind				6.44	6.44	11	.00160	
New York, N. Y				5.32	5.32	22	.00066	
Philadelphia, Pa				5.00	5.00	13	.00105	
Pittsburgh, Pa				85.69	85.69	12	.01956	
Salt Lake City, Utah				31.32	31.32	9	.00953	
San Francisco, Calif				51.73	51.73	106	.00133	
Seattle, Wash				78.93	78.93	12	.01802	
Spokane, Wash				94.38	94.38	11	.02350	
SHIPS								
U. S. S. Abarenda			$47.36	408.73	456.09	95	.13151	
U. S. S. Ajax		$61.50	77.44	1,211.21	1,350.15	171	.02163	
U. S. S. Algoma				123.50	123.50	39	.00868	
U. S. S. Allegheny				30.00	30.00	33	.00248	
U. S. S. Altair			148.14	1,636.13	1,784.27	513	.00929	
U. S. S. Antares			43.87	806.79	850.66	312	.00746	
U. S. S. Arctic		48.68	61.63	964.81	1,075.12	182	.01618	
U. S. S. Argonne		75.00	100.22	1,597.41	1,772.63	530	.00916	
U. S. S. Arizona		46.90	170.27	2,033.13	2,250.30	1,338	.00461	
U. S. S. Arkansas		40.50	282.96	3,066.37	3,389.83	1,205	.00771	
U. S. S. Aroostook		16.27	168.70	1,501.47	1,686.44	680	.00679	$103.70
U. S. S. Asheville		33.85	139.44	2,201.72	2,375.01	194	.03354	63.55
U. S. S. Beaufort			92.15	435.39	527.54	98	.01474	
U. S. S. Beaver		21.58	173.20	1,868.80	2,063.58	715	.00791	
U. S. S. Black Hawk			195.53	3,685.19	3,880.72	523	.02033	302.48
U. S. S. Bobolink				120.19	120.19	54	.00613	
U. S. S. Brant				175.26	175.26	41	.01711	
U. S. S. Brazos		10.50	56.47	822.24	889.21	139	.01753	
U. S. S. Bridgeport			25.00	1,628.88	1,653.88	450	.03684	
U. S. S. Bushnell			94.91	924.12	1,019.03	340	.00821	
U. S. S. California		210.90	279.89	2,912.47	3,403.26	1,546	.00603	
U. S. S. Camden		75.25	240.86	2,093.44	2,409.55	571	.01156	
U. S. S. Canopus		44.08	192.81	2,291.62	2,528.51	639	.01084	

Statement showing actual Medical Department expenditures of supplies and service on board ships and at shore stations—Continued

	Labor and clerical	Special diets	Laundry	Medical and dental supplies, etc.	Total	Average complement	Average per diem cost based on average complement	Care of the dead
SHIPS—continued								
U. S. S. Capella				$4.76	$4.76	83	$0.00089	
U. S. S. Cincinnati			$132.13	1,406.55	1,538.68	468	.00901	
U. S. S. Cleveland			90.78	1,691.12	1,781.90	352	.01387	$1.55
U. S. S. Colorado		$85.50	268.02	3,296.40	3,649.92	1,407	.00711	
U. S. S. Concord			94.06	1,197.16	1,291.22	487	.00726	
U. S. S. Contocook				136.52	136.52	45	.00831	
U. S. S. Cormorant				83.51	83.51	49	.00467	
U. S. S. Curlew				147.43	147.43	37	.01092	
U. S. S. Cuyama		14.00	30.88	280.19	325.07	162	.00549	
U. S. S. Denver		107.07	80.19	1,042.65	1,229.91	351	.00960	
U. S. S. Detroit		69.00	74.02	603.49	746.51	441	.00464	
U. S. S. Dobbin		69.54	51.15	2,566.98	2,687.67	488	.01509	65.50
U. S. S. Elcano			39.93	742.24	782.17	101	.02122	
U. S. S. Falcon				116.76	116.76	62	.00516	
U. S. S. Fish Hawk				74.82	74.82	40	.00512	
U. S. S. Florida		17.00	134.77	1,113.09	1,264.86	436	.00795	
U. S. S. Fulton			23.72	476.57	500.29	106	.01293	
U. S. S. Galveston			88.65	1,168.17	1,256.82	342	.01007	388.14
U. S. S. Gannet				153.56	153.56	66	.00637	
U. S. S. General Alava				98.79	98.79	93	.00291	
U. S. S. Genesee				149.37	149.37	42	.00974	
U. S. S. Gold Star			62.35	703.70	766.05	163	.01288	
U. S. S. Hannibal		69.50	55.87	783.54	908.91	209	.01191	
U. S. S. Helena			58.56	1,812.59	1,871.15	210	.02441	32.77
U. S. S. Henderson		54.00	188.47	2,721.99	2,964.46	1,615	.00503	64.00
U. S. S. Heron				160.83	160.83	61	.00427	
U. S. S. Huron			289.88	4,755.50	5,045.38	992	.01393	458.85
U. S. S. Idaho		21.82	90.99	2,555.11	2,667.92	1,293	.00565	
U. S. S. Isabel			31.06	1,407.75	1,438.81	120	.03285	
U. S. S. Kingfisher				161.67	161.67	57	.00777	
U. S. S. Kittery		200.00	140.45	688.69	1,029.14	186	.01516	
U. S. S. Langley		50.25	154.98	1,355.98	1,561.21	492	.00869	
U. S. S. Marblehead		15.00	82.57	900.06	997.63	443	.00617	
U. S. S. Mayflower			61.15	889.05	950.20	199	.01308	
U. S. S. McDermut				190.92	190.92	116	.00451	
U. S. S. Medusa		16.32	97.54	979.43	1,093.29	380	.01009	
U. S. S. Melville			197.81	2,022.13	2,219.94	533	.01141	
U. S. S. Memphis		26.50	61.75	378.22	466.47	212	.01507	
U. S. S. Milwaukee		7.00	136.05	1,097.96	1,241.01	436	.00780	
U. S. S. Mississippi		60.44	170.37	3,161.18	3,391.99	1,301	.00714	1,241.30
U. S. S. Monocacy			37.20	453.13	490.33	54	.02488	
U. S. S. Neches				603.74	603.74	155	.01067	
U. S. S. New Mexico		25.50	168.52	3,080.19	3,274.21	1,425	.00629	
U. S. S. New York		55.65	190.36	2,970.65	3,216.66	1,285	.00686	2.50
U. S. S. Niagara			32.49	564.51	597.00	165	.00991	
U. S. S. Nitro		49.39	141.82	1,067.58	1,258.79	297	.01161	
U. S. S. Nokomis				535.67	535.67	130	.01129	
U. S. S. Oklahoma		28.29	155.90	1,868.16	2,052.35	1,266	.00444	
U. S. S. Omaha			76.26	1,528.15	1,604.41	563	.00781	
U. S. S. Orion			46.88	620.22	667.10	208	.00878	
U. S. S. Ortolan				61.30	61.30	56	.00299	
U. S. S. Partridge				147.82	147.82	57	.00707	
U. S. S. Patoka		61.46	50.22	777.26	888.94	154	.01581	213.50
U. S. S. Pecos		4.00	40.08	679.55	723.63	137	.01447	64.00
U. S. S. Penguin			14.15	860.95	875.10	69	.03475	
U. S. S. Pennsylvania		97.00	175.60	6,436.30	6,708.90	1,383	.01329	
U. S. S. Pigeon			23.28	424.78	448.06	67	.01832	
U. S. S. Pinola				108.14	108.14	47	.00630	
U. S. S. Pittsburgh		12.00	300.00	4,881.53	5,193.53	905	.01572	921.37
U. S. S. Procyon			48.88	1,042.40	1,091.28	398	.00751	
U. S. S. Prometheus		10.16	34.89	721.12	766.17	465	.01716	
U. S. S. Pyro			3.63	95.83	99.46	165	.00837	
U. S. S. Rainbow			80.00	2,320.54	2,400.54	518	.01603	61.52
U. S. S. Raleigh		8.50	80.36	827.38	916.24	468	.00536	
U. S. S. Ramapo				363.49	363.49	105	.00948	
U. S. S. Rappahannock		15.00	32.97	205.61	253.58	274	.00575	
U. S. S. Richmond		16.31	66.02	1,132.48	1,214.81	478	.00696	
U. S. S. Rigel			235.99	2,507.24	2,743.23	658	.01142	
U. S. S. Robin				256.38	256.38	54	.01301	
U. S. S. Rochester			142.77	2,162.93	2,305.70	508	.01244	
U. S. S. Sacramento			62.13	1,213.35	1,275.48	190	.01839	90.36
U. S. S. Sandpiper				124.25	124.25	61	.00558	
U. S. S. Savannah		12.00	130.09	3,014.51	3,156.60	759	.01139	

Statement showing actual Medical Department expenditures of supplies and service on board ships and at shore stations—Continued

	Labor and clerical	Special diets	Laundry	Medical and dental supplies, etc.	Total	Average complement	Average per diem cost based on average complement	Care of the dead
SHIPS—continued								
U. S. S. Scorpion			$41.00	$1,316.10	$1,357.10	120	$0.03098	
U. S. S. Seattle		$48.60	175.87	1,850.60	2,075.07	896	.00634	
U. S. S. Sirius		77.00	92.10	862.88	1,031.98	269	.01051	$95.00
U. S. S. Sonoma				204.67	204.67	61	.00919	
U. S. S. Swallow				64.26	64.26	45	.00391	
U. S. S. Tadousac				15.50	15.50	43	.00385	
U. S. S. Teal				64.83	64.83	67	.00265	
U. S. S. Tennessee		41.57	212.87	4,197.44	4,451.88	1,349	.00904	
U. S. S. Tern				121.22	121.22	50	.00664	
U. S. S. Texas		63.40	200.00	3,049.61	3,313.01	1,262	.00719	
U. S. S. Trenton		100.00	133.99	1,609.69	1,843.68	457	.01105	
U. S. S. Tulsa			112.37	537.29	649.66	214	.00832	
U. S. S. Utah		3.50	228.97	5,021.45	5,253.92	1,115	.01291	
U. S. S. Vega			30.24	366.83	397.07	155	.00702	
U. S. S. Vestal			120.36	1,045.40	1,165.76	502	.00636	65.50
U. S. S. Villalobos				558.16	558.16	56	.02731	211.92
U. S. S. Vireo				664.78	664.78	55	.03311	
U. S. S. West Virginia		155.06		2,861.90	3,016.96	1,540	.00537	
U. S. S. Whitney		42.00	175.59	1,879.67	2,097.26	447	.01285	
U. S. S. Widgeon				136.01	136.01	63	.00591	
U. S. S. Woodcock				48.61	48.61	49	.00272	
U. S. S. Wright		50.40	173.37	1,967.52	2,191.29	592	.01014	
U. S. S. Wyoming		25.00	199.94	3,011.78	3,236.72	1,444	.00614	64.00
						Sick days		
HOSPITAL SHIPS								
U. S. S. Mercy [1]		120.45	238.16	4,305.34	4,663.95			
U. S. S. Relief		19,794.96	4,400.71	21,677.04	45,872.71	22,579	2.03165	1,044.95
						Average complement		
MINE SQUADRONS								
Mine Squadron No. 1		59.00	68.90	1,317.14	1,445.04	723	.00548	
Mine Squadron No. 2				607.70	607.70	321	.00519	
DESTROYER DIVISIONS								
Destroyer Division:								
No. 25				723.45	723.45	522	.00379	
No. 26				1,829.97	1,829.97	775	.00647	
No. 27				1,940.00	1,940.00	765	.00694	
No. 32				1,554.54	1,554.54	674	.00632	
No. 34				1,194.64	1,194.64	677	.00483	
No. 35				1,202.07	1,202.07	735	.00448	
No. 38				2,378.06	2,378.06	663	.00983	63.55
No. 39				1,314.54	1,314.54	721	.00499	
No. 40				1,303.60	1,303.60	784	.00455	
No. 41				1,110.97	1,110.97	682	.00446	
No. 42				1,080.77	1,080.77	539	.00549	
No. 43				2,332.34	2,332.34	691	.00925	63.00
DESTROYERS ON INDEPENDENT DUTY								
U. S. S. Dallas				149.26	149.26	104	.00393	
U. S. S. Hopkins				203.43	203.43	129	.00432	
U. S. S. Litchfield				121.82	121.82	109	.00306	

[1] In ordinary commission.

NOTE.—Reports not received from Naval Station, Guantanamo Bay, Cuba; Marine Detachment, American Legation, Peking, China; Naval Radio Station, Los Banos, P. I.; U. S. S. Bridge, Chaumont, Grebe, Jason, Kanawha, Maryland, Nevada, Palos, Pampanga, Sapelo, Shawmut; Mine Squadron, Asiatic Station. Destroyer Divisions Nos. 30, 31, 36, and 45 (destroyers on independent duty), Stewart, Paul Jones.

Expenses chargeable to Navy as a whole, $83,002.92.

DIVISION OF PLANNING AND PUBLICATIONS

The activities of this division have continued along the lines outlined in the annual report for the fiscal year 1924.

The Medical Department matériel contributory plan for forces afloat has been completed and lists of medical equipment and supplies have been prepared for every war-time organization of the shore establishment, including the maximum expansion of naval hospitals. Organization tables, showing the medical personnel needed for every unit of organization for forces ashore and afloat, were prepared and used as a basis for the Medical Department personnel contributory plan.

Analysis of inventories to determine the amount of stores immediately available in emergency indicated that a balanced stock was not being maintained at shore stations, which meant that money which could be utilized for purchasing essential supplies was tied up in dead stock. To remedy the situation, each of the supply depots has been furnished with a list as a guide to the low limit and upper limit for each item usually carried in stock. A low limit stock is also planned for each activity ashore and afloat. Analysis of Form B expenditures revealed that a number of drugs were gradually becoming obsolete, with consequent pyramiding of stocks in such items, and that, therefore, the stock level at supply sources should be based on the amount of any given item used rather than the amount required for by the hospital or station.

Data have been gathered preliminary to adoption of a loose-leaf supply table which will list only those items generally used. The English titles in the forthcoming revision of the United States Pharmacopœia will be utilized and usual commercial packages adopted wherever practicable. A new requisition form is being developed in connection with the new supply table to obtain greater economy in requiring for supplies.

The development of the war-time supply table for the Medical Department of the Navy emphasized the need for cooperation with the Army as to uniformity where possible in nomenclature, size of container, etc., to the end that the combined needs of both services might in time of war be expressed in common terms.

The planning division has continued to assist in the preparation of Federal specifications for various articles used by the Medical Department. Capt. H. C. Curl, Medical Corps, United States Navy, and Chief Pharmacist C. Schaffer, United States Navy, have rendered valuable service to several of the committees engaged in the preparation of specifications by placing data at their disposal and conducting laboratory tests.

When the Chief Coordinator of the Budget proposed a conference to consider the possibilities of more economical purchase, it was believed that in addition to the economy which might be attained, the organization for coordination might prove valuable in time of war. In order to determine the feasibility of coordination in procurement of medical supplies, the bureau joined in a combined experimental proposal inaugurated by the Chief Coordinator's office.

Physical condition of the fleet naval reservists is of sufficient importance to require that special examination be made with provision for subsequent report of disqualifying injury or disease. With

the reorganization of the Naval Reserve, arrangement has been made for such reports.

The project concerning carbon monoxide contamination in the vicinity of operating personnel in airplanes was completed by Lieut. P. O. Northington, Medical Corps, United States Navy, on the U. S. S. *Wright*, and report submitted. At the request of the Bureau of Navigation, a modification of the physical examination for aviators was prepared in order to classify midshipmen as aviators or observers.

The bureau's representative at Edgewood Arsenal, Lieut. Commander D. C. Walton, Medical Corps, United States Navy is especially commended for the protective measures he has developed against phosphorus burns and lachrymatory gases in chemical warfare. This officer prepared the chapter on Naval Aspects of Chemical Warfare for Colonel Vedder's recent book and conducted the animal experiments during the investigation of the effects of burning powder gases under conditions similar to those on the *Trenton*.

The fall and spring maneuvers of the Marine Expeditionary Force have been tests of the new field equipment for the medical department of the combat forces and of the medical battalion. The force surgeon, Lieut. Commander W. Chambers, Medical Corps, United States Navy, submitted excellent reports.

Lieut. Commander R. F. Jones, Medical Corps, United States Navy, attached to Submarine Division 2, Atlantic, is investigating special tests to promote greater efficiency of submarine personnel. The use of the audiometer and the development of applicable psychometric tests are interesting features of this work. More compact and complete medical equipment for submarines has also been prepared under this officer's direction.

The miscellaneous projects supervised by the planning division during the year comprise the development of a new prophylactic tube by the medical supply depot, Brooklyn; cooperation with the Bureau of Construction and Repair in investigating the application of helium and oxygen to deep sea diving; a study on selected types of vessels to clarify the etiology of pallor in personnel below decks and in engineer's division, with reference to deprivation of actinic rays and exposure to carbon monoxide in fire rooms.

The section of publications has continued, as in the past, to present timely information of interest to the Medical, Dental, Hospital, and Nurse Corps, through the United States Naval Medical Bulletin and the Hospital Corps Quarterly.

DENTAL DIVISION

During the fiscal year 1925 the dental division has continued to function as outlined in the last annual report. The general scope of duties has increased considerably, and all matters pertaining to the Dental Corps and to dental activities in the Navy are handled by this division, to which two dental officers are assigned for duty.

The success which had attended the administration of the affairs of the Dental Corps during the past two years has more than justified the establishment of the dental division. With an experienced officer of the Dental Corps in charge, it has been possible to exercise

more satisfactory supervision over dental material, to effect a better distribution of dental-officer personnel, and to realize most constructively the benefits to be derived from inspections of dental activities.

A gradual expansion of the original facilities for furnishing a limited prosthetic dental service to the officers and men of the Navy and Marine Corps has resulted in the establishment of prosthetic dental laboratories at the naval hospitals at San Diego, Mare Island, New York, and Norfolk. Dental laboratory equipment was purchased and forwarded to these naval hospitals as rapidly as it was found possible to relieve dental officers from general duties and train them for duty in connection with the new activities.

Dental service.—Every effort has been made to increase the amount of preventive and restorative treatment accomplished for the officers and men of the service. Experienced officers have been placed in charge of the dental activities at the larger shore stations, and these activities have been centralized in so far as practicable. Systems have been evolved by means of which it has been possible partially to overcome the peculiar difficulties attendant upon the examination and treatment of large groups of men in the service.

It is believed that the character of the dental service has improved steadily, although the extension of its scope has been limited decidedly as the direct result of the small dental officer personnel available. The mechanical aids to diagnosis have been increased in number by additions to the supply table and by purchases of small quantities of special equipment.

Realizing the importance of dental health in maintaining the general health and well-being of the personnel, the bureau has endeavored to raise the dental standards by calling the attention of medical officers on recruiting duty to the necessity of adhering strictly to the dental requirements, which have been rewritten and published in the Manual of the Medical Department. Strict compliance with the established requirements has resulted in the rejection of candidates for appointment to the Naval Academy, candidates for appointment or enrollment as officers, and applicants for enlistment, but it is believed that the maintenance of a high dental standard for entry into the service will go far toward elevating the general standard of physical fitness and reducing the number of retirements and discharges. In addition, there should be a considerable reduction in the time lost to duty as the result of transfer to the sick list of patients suffering from dental disease or sequelæ of dental disease.

The assignment of dental officers to duty as members of boards for the annual physical examination of officers should assist in detecting certain disease processes in their incipiency and should result in the prevention or early correction of dental defects.

Experience has shown that the beneficial influence of an efficient dental service upon the personnel is reflected in the improved personal habits of the men and in the increased efficiency shown in the performance of their duties.

Dental education.—In accordance with the general policy of seeking to provide every possible facility for professional advancement, the bureau has endeavored to improve the course of instruction at the Naval Dental School and the equipment used for educational purposes. In addition, postgraduate courses at leading universities have been

made available to dental officers, and special instruction has been procured through cooperation with local professional societies. With due regard to the difficulties which have attended assignments to special courses, it is believed that advantage has been taken of every opportunity to assist officers of the Dental Corps to improve themselves professionally.

The period of this report has been marked by a definite improvement in every department of the Naval Dental School, which has continued to demonstrate its practical value to the Medical Department since its establishment about two years ago. The courses for both student officers and dental technicians have been strengthened and standardized and new developments in methods of teaching and methods of treatment have been adopted.

Two courses of approximately four months' duration have been conducted during each of the past two years, and the clinic of the school has been continued in operation during each interim between courses. Patients have been drawn from many sources, and a considerable number have come from distant stations.

New equipment has been given trial under the exacting conditions of the school clinic, and new medicinal preparations have been tested prior to their adoption for general use.

The school library has grown rapidly and, in this connection, grateful acknowledgment must be made to Dr. A. D. Black, of Chicago, and to others who have contributed valuable files of periodicals and collections of volumes.

The training of dental technicians recruited from the ranks of the Hospital Corps has been carried on successfully, although the output of trained dental assistants has been so small that the long-realized deficiency in this respect can be overcome but very slowly. The value of the services of the naval dental technician has been demonstrated conclusively, and it is hoped that the size of the classes under instructions may be increased to such an extent that a trained dental assistant will become available for duty with each dental officer.

Inspections.—The system of inspecting the dental activities of shore stations, which was established two years ago, has been continued with very satisfactory results. The officer in charge of the dental division has cognizance over these inspections, and it has been possible to utilize to good advantage the information gained in the administration of the affairs of the Dental Corps.

In view of the impracticability of carrying on inspections of distant stations and activities in the usual manner, it was believed that the purposes of the dental inspections could be realized by forwarding to such outlying stations a questionnaire to be filled out and returned to the bureau. The data supplied in this manner have been valuable in pointing the way for improvements in the dental service at several distant stations.

Many of the specifications for dental instruments and appliances have been rewritten and, in consequence, it is believed that the standards to which such items must conform have been improved considerably. Tests of the properties of certain materials purchased for dental use have been carried out with the cooperation of the Bureau of Standards. The effects of the reflection of light rays have been studied with a view to adopting a standard finish for dental operating room equipment on board ships and at shore activities, and arrange-

ments have been made whereby certain furnishings and appliances will be finished according to new specifications.

Small amounts of new nonsupply-table materials have been purchased and distributed to various dental activities for clinical trial, and the results promise increased efficiency and economy in the selection and purchase of expendable supplies.

The desirability of purchasing several of the items of dental operating room equipment in the form of an equipment unit has been considered. A sample unit which was purchased for trial has proved to be very satisfactory by reason of its compactness and convenience to the operator. The equipment unit is valuable as a time saver and is especially to be desired for use on board ship on account of the economy of space which it affords. It is planned to purchase small numbers of units as they may be needed to replace other items of equipment worn out in use.

HEALTH OF THE NAVY

The vital statistics of the Navy for the calendar year 1924 indicate that there were fewer admissions to the sick list and less disability from sickness than in any year since the World War.

The death rate from disease was very low, 1.78 per 1,000 of personnel. A lower rate has been experienced only once in the history of the Navy. That was in 1922, when the rate was 1.65. In that year, however, the general admission rate was much higher, and there were more sick days in proportion to the strength of the Navy than during the year now under review. One factor which helped to keep the death rate low in 1922 was the unusually low incidence of measles, there being but one death attributable to that disease. Measles and influenza are both important causes of secondary pneumonia, and in years when they are generally prevalent in cities and States of the United States, as indicated by statistics for registration areas, there is usually a corresponding increase in prevalence in the Navy, with resulting increase in the numbers of deaths from pneumonia. The incidence of measles in the Navy in 1922 was remarkably low, as stated. As might be expected, following a natural cycle of periodicity peculiar to the disease, 1923 was a measles year and there were 24 deaths among naval personnel. In 1924 the admission rate was again low but not so low as in 1922, and there were 6 deaths. In 1922 influenza was responsible for 9 deaths. In 1924 there was only 1 death from this cause.

Lobar pneumonia and broncho pneumonia as primary causes were together responsible for 33 deaths in 1924 and 29 in 1922. In recent years the total number of deaths from disease has been so small each year that a very few deaths depending upon varying epidemicity of acute diseases of the respiratory type are sufficient to determine whether the rate for a given year will be higher or lower than a previously established low record, although there is of course some variation from year to year in the numbers of deaths resulting from communicable diseases of other types as well as noncommunicable diseases. However, in each of the last three years the death rate from all forms of disease has been so low that no further striking reductions are to be expected in the immediate future. On the other hand it is probable that some small reduction, hardly to be noticed in any

one year, but apparent from one 5 or 10 year period to another, can be secured with continued efforts to improve living conditions in the Navy, prevent overcrowding, promote personal and group hygiene, reduce turnover among the personnel, reject or eliminate promptly those who are physically or mentally unfit, extend practical knowledge of preventive medicine, and make the work of the Medical Department still more effective by promoting education as well as cooperation and coordination with all service activities, which endeavors, happily, have already accomplished excellent results.

In 1924 there were 285 deaths from violence and other external causes, including all injuries and poisonings, making a rate of 2.39 per 1,000 of personnel for these causes and making the gross death rate of the Navy 4.18 per 1,000, compared with 4.05 in 1923 and 3.23, in 1922. The last mentioned is the smallest recorded for any year.

Disasters occurring in 1924 were responsible for the loss of 6 officers and 72 enlisted men. One officer and 3 enlisted men lost their lives when a heavy storm broke over the U. S. S. *Tacoma* which had grounded off Tampico, Mexico. The explosion of powder in a turret on board the U. S. S. *Mississippi* resulted in the loss of 3 officers and 45 enlisted men. One officer and 13 enlisted men were killed by an explosion of powder on board the U. S. S. *Trenton*. Several accidents not strictly connected with military or naval hazards each resulted in loss of life. Four marines were drowned when a canoe overturned in the Potomac River near Quantico, Va. An explosion of gasoline in a shore boat which was carrying men back to their ships at San Diego, Calif., caused the loss of 4 men. Two men were burned to death in Peking, China, in an explosion of kerosene resulting from a leaky feed pipe, and 1 officer and 1 enlisted man were drowned at Norfolk, Va., when a closed automobile in which they were riding ran over the side of a bridge and dropped into the water.

Exclusive of these 78 deaths the total rate would have been 3.52 per 1,000, which is a higher figure than the 1922 rate. It is clear that the prevention of avoidable accidents continues to deserve the greatest possible consideration in the Navy Department and throughout the naval service. Reduction in the numbers of admissions and sick days resulting from violence and other external causes has not kept pace with the reduction of disability caused by disease. However, as pointed out last year, perhaps some degree of satisfaction is justified if no increase must be recorded for accidental injuries, because injury hazards have increased in variety and degree of risk as the work of the Navy has become more and more complicated and as machinery of greater variety and greater power has taken the place of or increased man power. With the development of aviation activities, new hazards have been introduced. In 1924 there were 78 admissions to the sick list, 1,578 sick days, and 32 deaths resulting from injuries incurred in flying. In 1923 there were 19 deaths and in 1922, 20. These figures do not necessarily mean that flying is less safe than it was a year or two ago. Exposure to aviation hazards has increased. The figures are mentioned to illustrate the point that injury hazards for naval personnel are greater than they were a decade or two ago. Increased exposure of naval personnel to risk of injury is by no means limited to conditions in the Navy. Between 15 and 20 per cent of all injuries recorded are incurred by men while on leave or liberty. Railroad accidents, motor-vehicle accidents,

and all causes of injury and poisoning other than industrial to which civilians are being increasingly subjected contribute to increase disability and mortality rates for injuries and poisonings among naval personnel.

The admission rate for all causes, diseases, injuries, and poisonings combined, was 557.15, the lowest ever recorded for the Navy by a considerable margin. The corresponding median rate for the five preceding years is 625.16. The admission rate for disease was especially low, as intimated above. It was only 496 per 1,000, in contrast with the corresponding five-year median figure, 551.61. The admission rate for injuries, 59.3, was but little lower than the median figure for the preceding five years, 61.95 per 1,000.

These considerable reductions are of course significant of improved health conditions, but admission rates alone do not serve accurately to indicate the amount and severity of sickness in general. In the past there have been differences in practice with regard to admitting men to the sick list in cases where no serious or prolonged disability was involved. In this way two naval organizations or units, each having about the same number of men sick in a given period with no great difference in the average duration of disability, might show very great differences in their morbidity returns if in one the practice was not to put men on the sick list if they could possibly be carried to recovery without putting them to bed and especially if, as was not infrequently done, men were put to bed and treated for one, two, or more days without recording admissions to the sick list as instructions contemplated. Apart from these considerations, the character of the duty performed by the man and changing conditions affecting the ship or station as a whole often determine whether an individual who is indisposed need be placed on the sick list or not.

So far as known, such factors as these did not operate in 1924 either so generally or to such a degree as to influence admission rates in comparison with those of previous years, and the inference is that there was a striking decrease in the amount of sickness, as indicated by fewer admissions to the sick list.

One reason why the general morbidity rate of the Navy was low in 1924 is that health conditions in most parts of the United States were excellent that year and crude death rates as well as specific rates for important communicable diseases were comparatively low. Another reason is that the rate of turnover among enlisted personnel was lower than it has been in recent years. Overcrowding was not a conspicuous factor in general, and where overcrowding existed other factors that would tend to promote the occurrence and spread of communicable diseases apparently did not come into play.

Coupled with these and other factors of epidemiological significance, it is not unlikely that increasing efficiency of the medical department in the field and the systematic application of practical methods directed toward the early detection of disease of every kind and toward prevention when prevention is possible, along with gradually improving medical and nursing service, account for part of the reduction in sickness rates, because the morbidity and mortality curves of the Navy have trended downward steadily from year to year. Sanitary reports from ships and stations in general have indicated that commanding officers and medical officers are recognizing important causes of disease and are differentiating more and

more between them and relatively unimportant factors in the environment for the purpose of dealing effectively with conditions which are relatively of the greatest importance from the viewpoint of promoting health and preventing disease. The Bureau of Medicine and Surgery has continued, through its publications, to furnish medical officers with information of practical educational value in the field of clinical medicine, hygienc and epidemiology, with the hope that through them practical knowledge of preventive medicine will be disseminated widely through the service.

The common acute infectious diseases of the respiratory type are naturally responsible every year for many admissions to the sick list; for much disability in the aggregate; and, through complications, for a number of deaths. The most prevalent infections in this group are acute tonsillitis, acute bronchitis, and common colds in general. In 1924 the admission rate for these infections was more than 10 per cent less than the median rate for the preceding five years, and the admission rate for influenza was nearly 76 per cent less. The comparative freedom from these common respiratory infections accounts in large part for the record low general admission rate, but there were also notable decreases in admissions for several of the other important communicable diseases in comparison with expected numbers, as represented by the corresponding median rates of the last five-year period. The admission rate for malaria shows a 49 per cent reduction. The rate for broncho-pneumonia was 59 per cent less than the expected rate and that for lobar pneumonia 32 per cent less. The rate for measles was 42 per cent lower; that for diphtheria, 78 per cent lower; mumps, 45 per cent; and scarlet fever, 46 per cent. The admission rate for cerebrospinal fever was a little higher than the expected figure—0.12 per 1,000, as compared with 0.07. Slight increases were recorded for chicken pox and German measles—1.14 and 1.26, as compared with 0.91 and 0.95.

The venereal diseases, as usual, were responsible for a large part of the disability caused by all classes of disease. This class, which has ranked second among all causes in most previous years, stood first in 1924, partly because of the considerable decrease in the prevalence of diseases of the respiratory system and partly because of actual increases in the number of cases of venereal diseases recorded. The combined admission rate for the three venereal diseases was 137.5 per 1,000. This is an increase of 11.5 per cent over the rate for 1923, which is the median rate of the preceding five years.

During the preceding three-year period venereal diseases caused 19.9 per cent of all admissions to the sick list. In 1924 they caused 24.7 per cent, almost one admission in every four. In 1924, 16.3 per cent of all sick days were due to venereal diseases, whereas in the preceding three years these diseases were responsible for 14.4 per cent.

These figures alone by no means prove that more men were infected in 1924 than in previous years. Coincident with increasing attention to matters of prevention in general, and with increasing recognition of the importance of the fundamental principals of applied preventive medicine in dealing with the venereal diseases in particular, gradual progress has been made in the direction of securing more complete reporting of these diseases. As compared with median figures for the preceding five-year period there was an increase of 8.3 per cent in the admission rate for gonorrhea and an increase of 10.6

per cent in the admission rate for syphilis. At the same time there was an actual decrease in the percentage of men constantly on the sick list with gonorrhea from 2.6 to 2.56 and with syphilis from 1.55 to 1.52. The ratio between admissions for syphilis and admissions for gonorrhea, 1 to 4.3, was about the same as in previous years. The median five-year ratio is 1 to 4.2.

The Navy's venereal-disease problem is serious enough as represented by the statistics compiled for recorded cases. Complete recording would indicate the situation as somewhat worse than it appears from the figures as compiled, but there is no evidence that it is worse than in previous years. In fact, there is reason to believe that a higher percentage of the men who become infected are now reporting for treatment, that they are receiving better follow-up care, and that perhaps relatively fewer men in the Navy are becoming infected.

The board of officers representing the Bureau of Navigation, the office of the Major General Commandant of Marines, the Office of the Judge Advocate General of the Navy, and the Bureau of Medicine and Surgery, which was appointed following my recommendation last year to make a study of the venereal-disease problem of the Navy, has submitted a report after careful consideration, with certain recommendations which if put into effect will promote and make more effective our efforts to prevent and cure these damaging infections.

During the year 1924 syphilis was recorded as the primary cause of 15 deaths among naval personnel, and 16 men, permanently disabled by the disease, which they had contracted while in the Navy, were invalided from the service. In addition, 33 men, disabled by syphilis contracted before entering the Navy, were discharged from the service. Besides the deaths of which syphilis is the obvious cause, there occur every year a number of deaths from diseases of the heart and aorta and lesions of the brain of which syphilis is almost certainly the underlying cause, but which must be charged for statistical purposes without mention of syphilis because of the lack of recorded evidence.

ANALYSIS OF VITAL STATISTICS

A clear conception of the Navy's health record in any given year can be had only through making a sufficiently complete analysis of the vital statistics to permit direct comparison between figures for the year and really comparable figures of previous years. General rates are, of course, influenced by so many factors that they reflect only the composite results of good and bad health conditions.

The first step in studying the vital statistics is to separate the causes of disability into classes, each having as many relationships in common among constituent individual causes, from the medical or epidemiological viewpoint, as it is practicable to indicate by classification. The classification of the United States Navy Nomenclature of Diseases and Injuries has been arranged with this in view. At best, statistics have their definite limitations. The figures merely indicate or delineate different health problems, the thorough understanding of which depends upon careful study of facts and information which must be derived from epidemiological studies and reports for consideration in conjunction with the evidence that lends itself to statistical treatment.

No classification of medical nomenclature can be made that will prove satisfactory from more than one viewpoint, be it medical, surgical, or epidemiological. With any scheme of classification, important causes of morbidity and mortality must be considered separately, but, after the statistics for these are sorted out for separate treatment, classification of the remaining titles serves materially to lessen the space required for profitable study of relatively less important data, which, however, presented in this way by classes, make it possible to obtain a much more complete understanding of morbidity conditions than if only the figures for certain individual causes are given together with general rates.

In the United States Navy classification the epidemiological viewpoint is given first consideration with regard to nomenclature titles covering conditions that may be regarded as preventable from a practical standpoint. Communicable diseases have been grouped according to usual methods by which they spread from one person to another, and noncommunicable diseases of special significance have been grouped together in so far as practicable. Accidental injuries are classed in one large group for this general purpose. Poisonings form another class. Separate analysis in detail must be made of the data relating to violence and other external causes of disability or death. The primary object in collecting such statistics, of course, should be to determine the nature and frequency of existing accident hazards for the purpose of pointing out the need for preventive measures. Other causes of disability for which neither obvious nor practicable methods of prevention are recognized are classified, principally from the anatomical viewpoint, on a regional or system basis.

The classes of the Navy nomenclature are listed on page 209, with other information of an explanatory character preceding the general statistical tables, which include the detailed statement of diseases and injuries for the calendar year 1924. The detailed statement covers every title in the nomenclature under which admissions to the sick list were recorded during the year, with certain correlations indicated by key letters. The reader may compile data of medical or surgical interest from that table, suited to his purpose, which may not be found in the following discussion devoted mainly to questions of epidemiological interest.

In attempting to follow the trend of events as indicated by vital statistics, it is important to use for purposes of comparison such figures of previous years as will most accurately serve to measure any changes which seem to have occurred or to be in process of occurring. In seeking such a standard for comparison, preference is given in the following pages for most purposes to the corresponding median figure selected from the annual statistics of the five preceding years, 1919 to 1923, inclusive. This is believed to be in accordance with the best statistical practice. The effect of unusual health conditions, good or bad, which may have affected the statistics in any of the previous years is thus automatically eliminated. Under most, if not all conditions, the median figure probably more truly indicates the usual or normally to be expected experience with disease in any given period of years than even a properly weighted average. Conditions affecting vital statistics have changed so much in the Navy from year to year, before and since the World War, that it would not be profitable, with a view to possible future improvement in

health conditions, to base comparisons on a longer or more remote period than the five years immediately preceding the year under review, although it is gratifying to note in passing that greater reductions in mortality, sickness, and disability rates could in most instances be pointed out if comparisons were made with the figures of an earlier or longer period.

Morbidity statistics are based on all recorded admissions to the sick list. An understanding of certain essential service conditions is necessary for a true interpretation of admission rates, especially the general admission rate for all causes and the daily percentage of men on the sick list. On board ship, and often at naval stations, living conditions for the crew are such that men must be admitted to the sick list for comparatively trivial causes and they must usually be carried as sick until fit for duty in every respect. There are exceptions of course, when men who are partially disabled may be given light duty, and in times of emergency men may keep at work in spite of injuries or sickness of various kinds and degrees, but in general there is no proper place for men who are not physically fit to perform any duty for which they may be called upon in their ratings, except the sick bay on board ship, sick quarters at a naval station, or in a naval hospital. With large numbers of men in close contact with one another, as on board ship and in barracks, it is often advisable to place men on the sick list with common colds or other acute infections of the respiratory type with a view to limiting as much as possible the spread of virulent microorganisms, although the men if employed in civil pursuits probably would not consider themselves too sick to work. Sometimes it becomes advisable to put perfectly healthy carriers of disease-producing microorganisms on the sick list and keep them segregated until the carrier condition has cleared up.

The fact that any man may be deserving of a pension or other compensation for disability incurred in line of duty makes it important that all essential information regarding any disease, condition, or injury which may possibly have a bearing upon future disability shall be recorded in order that the interests of the Government and of the affected individual may both be protected. Therefore, admission to the sick list is not infrequently necessary for close observation and careful study in cases which otherwise might not be regarded as of noteworthy importance.

For other reasons also it is natural with the close medical supervision that obtains in the Navy that there should apparently be more cases of sickness among the men than among an equal number of males of working age in civil life who, depending more upon their own resources, are often not recorded as sick even when health is seriously impaired.

The greater length of time which must be allowed naval patients for convalescence after recovery from disease or surgical operation considerably increases the general percentage of sick and the average number of sick days recorded for all admissions to the sick list. Men in hospital for surgical operation or treatment of disease must generally be held there until sufficiently restored to health to permit resumption of full duty status.

The general admission rate is increased very much by the policy of requiring that an admission to the sick list be recorded on statis-

tical returns for every case of venereal infection detected, even though the disability be so little as not to interfere with the full performance of duty. This is a sound policy because no information of practical value in studying the important venereal disease problem could be collected if differentiation of cases for admission to the sick list were permitted on the basis of apparent disability, especially since all men are required to forfeit their pay while on the sick list with venereal disease acquired as a result of misconduct.

A factor that tends to increase sickness rates is the incentive men have to avail themselves of operative procedures or special work for the correction of minor physcial defects or conditions which it is advisable to have corrected, even if not disabling at the time. Medical Department facilities are accessible to most of the men at all times and the men are accustomed to seeing the work of medical officers and hospital corpsmen carried on among them, so it is not surprising that they tend to seek surgical operations and special work for the correction of physical defects which would be avoided or postponed if they were civilians. In the aggregate such cases add many admissions and sick days to the vital statistics of the Navy.

In civil life, treatment for special conditions not requiring rest in bed can often be attended to out of working hours without loss of time chargeable to sickness, whereas in the Navy it is often necessary to admit a man to the sick list or even to transfer him to hospital for such work as refraction, treatment of ear conditions, dental work, etc. In recent years a great deal more work of special character has been done than in earlier years. It is interesting to note that the many admissions to the sick list for such purposes and the many sick days which did not accrue in earlier years, have not prevented the downward trends in the general admission rate and the general percentage of sick from year to year. It would seem, therefore, that corrective medical and surgical treatment has prevented more admissions and sick days than have been required for their treatment.

The value of increased service in the fields of the various specialities of medicine, made available to the officers and men of the Navy in recent years, must not be measured by statistics alone, however. Medicine has developed so that work of specialists is everywhere recognized as indispensable. In the Navy the addition of facilities with men specially trained for rœntgenology, eye, ear, nose, and throat work, and dentistry has created so great a demand for these things wherever made available that one wonders how it was possible previously to get along without them.

Another factor which affects sickness rates, but which can not be accurately weighed for the purpose of statistical analysis, is the tendency on the part of a certain proportion of the men to try to get on the sick list from time to time when not really in need of treatment. In most naval organizations there are to be found such men, not necessarily very many, but enough to make it necessary for the medical officer to be on guard constantly against malingering. At the same time he must be watchful to detect disease early, to prevent the spread of communicable disease, and to prevent slight disability from developing into serious disability. If the medical officer is prudent and uses good judgment every day he will run the risk of a somewhat swollen sick list rather than risk doing some worthy man

injustice by failing to recognize a serious case for the lack of careful observation withheld because the man behaves suspiciously like a malingerer when first seen or because he has frequently attended sick call with various unrelated complaints. As a matter of fact, true malingering is probably rare in the Navy. In most cases where no physical defect or evidence of disease can be found the man probably has a mental defect or disorder which has resulted in his failure to adapt himself successfully to his environment and to requirements growing out of essential service conditions. In unsuccessful conflict with his environment his inability to face the actualities or realities of the day leads him unconsciously to seek refuge in the sick bay. It is better as a rule that such a man be admitted to the sick list rather than be sent back to work as physically fit for duty if a thorough understanding of his condition, which may be obtained by careful examination and close observation, will expedite his discharge from the service.

Difference in practice in different ships in the matter of admitting men to the sick list may affect the sickness rates considerably. Of course, in any organization a man severely injured or seriously ill will be admitted to the sick list at once, but there are many borderline cases. In the past, some commanding officers, apparently believing that a very small sick list would reflect credit upon the command, have brought pressure to bear on the medical officer to keep the list small. Such a policy has occasionally brought about unfortunate conditions in that men who should have been admitted to the sick list were either refused admission to the sick bay or were put to bed and treated without recording them as sick. Ships can not logically be regarded as being in competition with one another on the basis of the daily percentage of sick. There are too many factors influencing this rate that are beyond the control of the organization. Sound practice requires that the medical officer be unhampered by any predetermined limit as to the number of men it is considered permissible to carry on the sick list, in order that he may study each new case appearing before him at sick call, free from mental perturbation. Each case should be studied in turn on its merits without thought of the size of the sick list, and the patient should be admitted or not according to the findings.

Wide differences in admission rates and percentages of sick for different ships, sometimes for ships in the same fleet or force, operating under more or less similar conditions, have seemed to indicate that desirable uniformity has not always existed with respect to this matter, and that the rules for admitting patients to the sick list as laid down in the Manual of the Medical Department have not always been followed. Consequently, during the year, instructions were issued by the Bureau of Medicine and Surgery that all men who are disabled by disease or injury to a degree requiring relief from duty and who are still unfit to perform duty the following morning when the morning report of sick is prepared, shall be regularly admitted and recorded as sick on statistical returns. This is the practice contemplated by the manual, but apparent laxity seemed to call for special emphasis upon the desirability of establishing a uniform practice. Some little increase in admission rates may result from this.

The Bureau of Medicine and Surgery desires uniformly complete and accurate recording of disability, not because it considers that ships and stations should be judged as in competition with each other on the basis of morbidity returns, but because of a cardinal principle in preventive medicine. That principle is that accurate knowledge of when, where, and under what circumstances cases of disease are occurring is essential to the study of what preventive measures are required and when, where, and how they may be applied.

The interests of preventative medicine especially suffer if any effort is made artificially to make the sick list appear small. In many cases of infectious diseases, which are highly communicable, notably the common respiratory diseases, it is often advisable to put patients to bed for a day or two, not only for their own welfare, but to check the dissemination of microorganisms of increasing virulence among the crew. Such cases are not likely to receive proper attention if the medical officer, under pressure or through his own misdirected zeal, is endeavoring to keep names off morning reports of sick.

Turnover among the personnel and the physical and mental qualifications of recruits taken into service affect the general admission rate of the Navy and other sickness rates very much. The admissions recorded among recruits at the four training stations always contribute quite largely to make the general admission rate for the whole Navy much higher than it would be if these stations and a few groups of personnel subjected to unusual health hazards under more or less temporary conditions, were excluded. Monthly curves for the training stations show close correlation between sickness rates and arrivals of new recruits. The rates increase, sometimes to very high figures, with increases in the numbers of new men received, and correspondingly decline as recruiting activities slacken.

During the year a notable change was made in the method of dealing with mentally and physically defective recruits. An order became effective May 16, 1924, creating boards of review at the several naval training stations, to pass upon the qualifications of recruits recommended for review. Since then recruits who have been found unfit for the service have been discharged for inaptitude upon recommendation of a board of review. Some future damage to the service has undoubtedly been avoided already in this way, and doubtless the prompt elimination of defective recruits was one factor among the various determinate and indeterminate factors which in combination resulted in a lower general admission rate in 1924 than in any previous year for which detailed statistics have been compiled. For five months of the year the old system of disposal was followed of discharging after examination by a board of medical survey, usually held after the recruit had been in service for a considerable length of time, and often after several admissions to the sick list had been recorded and many sick days charged, but during the last seven months recruits of doubtful value were reviewed at the training station, usually without much delay after their arrival and without necessarily admitting to the sick list.

The following figures for the first half of 1925 give a general idea of the activities of the various boards of review. The data, taken from

monthly reports from January 1 to June 30, are combined for the four training stations:

	Number	Per cent of recruits enlisted
Recruits enlisted	5,889	100.0
Recruits reviewed	337	5.72
Recruits recommended for inaptitude discharge	253	4.3

Of the recruits reviewed, 75 per cent were discharged for inaptitude.

During the whole year 1924, 304 recruits in all were discharged from the Navy for inaptitude upon recommendation of boards of review and by order of the Bureau of Navigation before the boards were established. In addition, some few marines were also discharged.

Personnel turnover.—Turnover as affecting sickness rates operates in two ways. There is of course the effect upon the Navy as a whole of continually replacing trained and seasoned men with recruits, and, apart from this, the effect of turnover within the service, resulting from the transfer of men from one kind of duty or ship or station to another.

Even the transfer of relatively well-trained men tends to increase the number of admissions to the sick list in organizations subject to a high rate of turnover. There are always to be considered the hazards of travel and change of environment, including increased exposure or greater susceptibility to infectious diseases. There is always likely to be more sickness among men who have recently joined an organization than among the crew of a ship that has become stabilized. Newcomers are also likely to introduce from a distant population group causative agents of infectious diseases against which their new shipmates lack mass immunity because of previous or recent freedom from contact with the particular microorganism.

With the rate of turnover generally high in ships of the fleet as it must be under present conditions with a four-year enlistment period and the necessity for many kinds of special training, ships and stations as well, must expect a good many admissions to the sick list which can be attributed, directly or indirectly, to turnover.

In the aggregate, of course, these admissions resulting from intra-service turnover increase the general admission rate and percentage of sick for the Navy as a whole. The only reason for mentioning such an essential service condition in this connection is that in comparison with an earlier period the present high rates of turnover within the service, like increased accident hazards, tend to make for more admissions to the sick list and more sick days, but nevertheless admission rates are lower than in former yares. Other factors making for sickness, therefore, would seem to be under better control or less effective.

A high rate of turnover based on the induction of recruits into the service is almost certain to be associated with high sickness rates during a year in which recruiting is unusually active. In 1924 only 18.67 per cent of the average daily strength of the Navy and Marine

Corps were new men originally enlisted during the year. The percentage for the Navy was 16.96 per cent and for the Marine Corps 26.52. The rate of turnover as indicated by these figures was low in comparison with most recent years, and this was probably a factor of considerable weight, making for low sickness rates during the year.

The percentages of original enlistments based on average daily strength of enlisted personnel in previous years are as follows:

Year	Average daily strength, Navy and Marine Corps	Navy. Per cent, original enlistments	Marine Corps. Per cent, original enlistments	Combined strength. Per cent of original enlistments	Year	Average daily strength, Navy and Marine Corps	Navy. Per cent, original enlistments	Marine Corps. Per cent, original enlistments	Combined strength. Per cent of original enlistments
1914	61,456	26.2	24.2	25.88	1920	123,880	53.2	66.3	54.3
1915	62,562	21.7	27.6	22.60	1921	133,955	12.5	18.6	13.3
1916	63,212	24.3	42.1	27.11	1922	109,487	16.6	41.4	20.9
1917	----------	----------	----------	----------	1923	104,067	34.1	39.3	35.1
1918	----------	----------	----------	----------	1924	106,555	16.9	26.5	18.7
1919	273,208	27.8	23.3	27.31					

Of course the ratio of original enlistments to the daily average strength does not truly indicate the rate of turnover unless the number of men who left the service is also known, or in lieu of that information, unless it is known whether the Navy was expanding or decreasing in personnel during the year. The daily average strength, enlisted personnel of the Navy and Marine Corps, was 106,555 in 1924 and 104,067 in 1923. There was, therefore, a small percentage increase, indicating that the Navy did not lose the services of a trained man for every new recruit. The numbers of new recruits taken into service directly affect sickness rates, but beyond that the exchange of old men for new is a factor. It is an axiom, as pointed out many years ago, that the health of an expanding Navy is not likely to be so good as that of one in which the strength of personnel is stationary or decreasing. In 1922 when the death rate was lower than it ever was before and a figure that has not quite been equaled since, it will be noted from the table above that a marked decrease in the strength of the Navy was taking place, whereas some little expansion was going on in 1924.

The figures for men invalided from the service on account of defects which should have disqualified them for enlistment were modified by the activities of boards of review at naval training stations during the last seven months of the year, but this is not indicated by the percentage so invalided in 1924 as compared with 1923 and 1922, for there was no decrease in the percentage. It is probable, therefore, that the attention given to the elimination of unfit recruits at training stations and the publicity given to the matter in the United States Naval Medical Bulletin and by other means, acted as a stimulus to expedite the elimination of men with physical and mental defects from the general service upon approved recommendations of boards of medical survey. The proportionate numbers of men discharged for disability, upon recommendation of boards of medical survey within the first six months after enlistment, and within 12 months, during 1924 are shown in the table following in comparison with the figures for the preceding two years.

NAVY, EXCLUSIVE OF MARINE CORPS

Year	Accepted for original enlistment	Per cent of applicants	Invalided from service within six months after enlistment	Per cent	Invalided from service within one year after enlistment	Per cent
1922	14,893	30.8	402	2.7	580	3.9
1923	29,113	36.4	640	2.2	1,019	3.5
1924	14,828	32.5	395	2.7	586	4.0
MARINE CORPS						
1922	6,141	17.8	143	2.3	289	4.71
1923	6,961	23.1	107	1.5	235	3.37
1924	4,169	15.6	78	1.9	140	3.4

Figures for all men invalided from the service in 1924, according to cause of disability, will be found in general statistical Table No. 4 on page 567. Table No. 7, page 588, shows the causes for which applicants for enlistment in the Navy and Marine Corps were rejected on medical grounds.

The system for eliminating unfit recruits at naval training stations now makes it possible to select men as carefully for naval ratings as has been the practice for years with applicants for the Marine Corps. The following figures for 1924 indicate the several stages of selection in the Marine Corps: There were 26,740 applicants for original enlistment at recruiting offices; 20,245 of these reached the medical officer for examination. Of these, 12,121 failed to qualify physically and others were found disqualified for various other reasons, so that the number accepted in recruiting offices was 5,068. These were sent to recruit depots for further study. Only 4,997 reached recruit depots. Twenty-eight were eliminated without medical examination. Three hundred and forty-three failed to pass the medical officers and 466 were eliminated for other reasons, so that the number of recruits finally accepted was 4,169. The need for careful selection is shown by the fact that 78 marines were invalided from the service within six months for diseases and conditions which existed prior to enlistment and 62 after from 7 to 12 months, making 140 who were found unfit to serve as marines within one year of original enlistment because of conditions originating prior to enlistment. What the result would be without such a careful system of selection can be imagined.

There are a number of other factors linked with essential service conditions that tend to increase general sickness rates above figures that would indicate actual disability as regarded from the ordinary viewpoint, but enough has been said to show that a clear understanding of health conditions depends upon thorough analysis of the vital statistics with consideration of the incidence and prevalence of important single causes of morbidity and injury. For many of these, admissions to the sick list are not likely to differ much from actual frequencies of occurrence. For example, although there may be some difficulty in deciding whether a man with sore throat and a positive culture of diphtheria bacilli has diphtheria in mild form or is merely a carrier of the organism, the number of cases reported as

diphtheria during the year closely represents the incidence of the disease in comparison with other years. In the same way comparison from year to year between certain significant classes of disease is of value in determining a true index of health conditions.

Preceding paragraphs have dealt principally with conditions and circumstances which tend to increase sickness and morbidity rates. On the other hand, there are, of course, many things about life in the Navy that tend to promote physical and mental welfare and thus tend to keep morbidity rates lower than those probably prevailing for males in comparable age groups in civil life. Among these may be mentioned discipline, life in the open, good food, regular hours, clothing well adapted to weather and climatic conditions, physical training, freedom from chronic fatigue under working conditions, freedom from worry over financial matters or loss of employment, abundance of entertainment, supervised athletic sports and exercises, sanitary environment, supervision of personal hygiene, and, by and large, comparative freedom from exposure to communicable diseases. The fact that the officers and enlisted men are carefully selected to begin with is of course an important consideration. Careful supervision of health and careful medical and nursing services when required, with complete facilities for medical and surgical treatment, must also be taken into consideration.

Morbidity and mortality rates are based on the average daily strength of the Navy during the calendar year and not upon a mid-year estimate of population as in civil practice.

The average daily strength of the Navy in 1924 was as follows:

Officers of the Navy and Marine Corps	9,212
Enlisted men, Navy	87,442
Enlisted men, Marine Corps	19,113
Midshipmen at the Naval Academy	2,100
Members of the Navy Nurse Corps	487
Prisoners	926
Total	119,280

Population figures showing distribution of enlisted men of the Marine Corps by age groups are not available. Figures giving this information for 9,291 officers of the Navy and Marine Corps and for 87,327 enlisted men of the Navy on the active list June 30, 1924, are available. The percentages of the totals in each quinquennial age group, adjusted to apply to the average daily strength during the year, 9,212 officers and 87,442 enlisted men, indicate the following distributions:

Age group	Officers, Navy and Marine Corps	Per cent	Enlisted men, Navy ratings	Per cent	Age group	Officers, Navy and Marine Corps	Per cent	Enlisted men, Navy ratings	Per cent
16–19	0	0	11,125	12.72	55–59	139	1.51	38	0.05
20–24	1,215	13.19	44,320	50.69	60–64	44	.48	16	.02
25–29	1,925	20.90	17,500	20.01	65–69	0	0	3	.003
30–34	1,939	21.05	8,528	9.75	70–74	0	0	1	.001
35–39	1,782	19.34	4,023	4.60	Unknown	0	0	5	.006
40–44	1,178	12.79	1,287	1.47					
45–49	667	7.24	448	.51	Total	9,212	100.00	87,442	100.00
50–54	323	3.51	148	.17					

General or gross admission rate.—There were for all personnel of all ages 66,454 admissions to the sick list from all causes, making the admission rate 557.15 per 1,000. The median rate for the years 1919 to 1923 is 625.16. Included in the above figures are 679 admissions made for various reasons, observation of suspected healthy carriers, etc., under the title "No disease."

Other general sickness rates; percentage of sick.—The number of service days lost on account of all admissions to the sick list was 1,319,387, making an average of 11.06 for all persons in the service. The corresponding median figure for the preceding five years is 12.6.

The average number of sick days per admission was 19.9, compared with the corresponding median, 20.1.

The average daily number of persons on the sick list was 3,615, representing 3.03 per cent of the total personnel constantly sick. This is the noneffective rate per 100. The corresponding median figure, 1919–1923, is 3.5 per cent.

All of these general rates are subject to influences other than the single effect of disability of sufficient degree to make relief from duty necessary or advisable, and conditions probably vary from year to year. On the one hand there are factors making for admission and retention on the sick list in the absence of definite disability, and on the other hand the reporting of cases in which there is actual disability is not 100 per cent complete. The standard for recording is disability of 24 hours' duration, except in cases of possible epidemiological or compensable importance, for which it is required that admissions shall be recorded even though there be no definite disability at the time.

It is probable that some little improvement took place in the direction of more complete reporting during the year, as efforts were repeatedly made to impress upon medical officers the importance of recording all cases with a view to improving the value of the vital statistics of the Navy in general. At any rate, the marked reduction in the general admission rate in 1924 as compared with corresponding rates of previous years can not be attributed to incomplete reporting.

GENERAL MORBIDITY AND MORTALITY RATES FOR OFFICERS

Morbidity rates for officers can hardly be compared directly with those for enlisted men because admission to the sick list in the case of an officer with a given degree of disability would frequently be unnecessary, whereas in the case of an enlisted man admission probably would be necessary in order that he might receive proper care. An officer when ill is not likely to be admitted to the sick list unless transfer for medical reasons is indicated or unless the disability requires that he be entirely relieved from the performance of his duties.

From a general epidemiological standpoint officers may be considered as widely distributed among naval forces, ashore and afloat, in many parts of the world, in most instances in relatively small numbers. They are subjected, along with their subordinates, to a wide variety of environmental and other influences affecting morbidity.

Admission rates and death rates for officers, by age groups, for all causes, diseases only, injuries and poisoning, in 1924, were as follows:

Admission rates, by age groups, officers of the United States Navy and Marine Corps, for disease only, injuries, poisoning, and for all causes

Age group	Number in group	All diseases		Combined injuries		Poisonings		All causes	
		Admissions	Rate per 1,000	Admissions	Rate per 1,000	Admissions	Rate per 1,000	Admissions	Rate per 1,000
16–19	0	0	0	0	0	0	0	0	0
20–24	1,215	265	218.11	50	41.15	1	0.82	316	260.08
25–29	1,925	553	287.27	81	42.08	6	3.12	640	332.47
30–34	1,939	513	264.57	80	41.26	2	1.03	595	306.86
35–39	1,782	513	287.89	64	35.91	2	1.12	579	324.92
40–44	1,178	327	277.59	37	31.41	1	.85	365	309.85
45–49	667	175	262.37	25	37.48	3	4.50	203	304.35
50–54	323	106	328.17	12	37.15	0	0	118	365.32
55–59	139	41	294.96	1	7.19	0	0	42	302.15
60–64	44	11	250.00	3	68.18	0	0	14	318.18
65–69	0	0	0	0	0	0	0	0	0
70–74	0	0	0	0	0	0	0	0	0
Total	9,212	2,504	271.81	353	38.32	15	1.63	2,872	311.76

Death rates, by age groups, officers of the United States Navy and Marine Corps, for disease only, injuries, poisoning, and for all causes combined

Age group	Number in group	All diseases		Injuries		Poisonings		All causes	
		Deaths	Rate per 100,000	Deaths	Rate per 100,000	Deaths	Rate per 100,000	Deaths	Rate per 100,000
20–24	1,215	0	0	3	246.91	0	0	3	246.91
25–29	1,925	0	0	10	519.48	0	0	10	519.48
30–34	1,939	0	0	6	309.44	1	51.57	7	361.01
35–39	1,782	8	448.94	3	168.35	0	0	11	617.30
40–44	1,178	2	169.78	4	339.56	1	84.89	7	594.23
45–49	667	1	149.93	3	449.78	0	0	4	599.70
50–54	323	1	309.60	0	0	0	0	1	309.60
55–59	139	2	1,438.85	0	0	0	0	2	1,438.85
60–64	44	2	4,545.45	0	0	0	0	2	4,545.45
Total	9,212	16	173.69	29	314.81	2	21.70	47	510.20

Admission rates for officers as well as rates for certain other occupational groups are given without reference to age distributions in general statistical, Table No. 2 on page 562. In that table admissions and admission rates are listed for the different classes of the Navy Nomenclature and Classification of Diseases and Injuries. It is believed that table meets most actuary needs so far as officers in general are concerned. It is recognized that a separate experience table must be constructed in the future for personnel subjected to aeronautical hazards and instructions have been issued, effective from July first of this year, providing for the separate collection of all basic data in order that any desired specific morbidity rate may be computed for aviation personnel, further divided for purposes of vital statistics into "flight personnel" and "ground personnel."

Average age at time of death, all officers.—There were in 1924, 91 deaths among officers of the Navy and 9 among officers of the Marine Corps of all ages, including deaths of officers on the retired list.

The average age at the time of death, 91 officers of the Navy, was 52.29 years. The average age at the time of death, 9 marine officers, was 42.11 years. The average age at the time of death for the 100 officers of the Navy and Marine Corps who died during the year was 50.30 years.

In determining these averages the age at the nearest birthday was taken. For example, if an officer would have been 65 years old in August but died in January he was considered to be 64 years old at the time of death.

GENERAL MORBIDITY AND MORTALITY RATES FOR ENLISTED MEN OF THE NAVY

Admission rates, by age groups, enlisted men of the Navy, for disease only, injuries, poisoning, and for all causes combined

Age group	Number in group	All diseases		Injuries		Poisonings		All causes	
		Admissions	Rate per 1,000	Admissions	Rate per 1,000	Admissions	Rate per 1,000	Admissions	Rate per 1,000
16–19	11,125	7,521	676.06	752	67.60	17	1.53	8,290	745.19
20–24	44,320	24,801	559.50	2,795	63.05	104	2.35	27,700	624.91
25–29	17,500	7,386	422.04	1,066	60.91	32	1.83	8,484	484.78
30–34	8,528	2,499	293.03	360	42.21	7	.82	2,866	336.06
35–39	4,023	1,113	276.66	180	44.74	7	1.74	1,300	323.14
40–44	1,287	325	252.52	55	42.74	2	1.55	382	296.81
45–49	448	135	301.34	15	33.48	1	2.23	151	337.05
50–54	148	42	283.79	8	54.05	0	0	50	337.84
55–59	38	12	315.79	1	26.32	0	0	13	342.11
60–64	16	7	437.50	0	0	0	0	7	437.50
65–69	3	0	0	0	0	0	0	0	0
70–74	1	0	0	0	0	0	0	0	0
Unknown	5								
Total	87,442	43,841	501.55	5,232	59.85	170	1.94	49,243	563.34

Death rates, by age groups, enlisted men of the United States Navy, for disease only, injuries, poisoning, and for all causes combined

Age group	Number in group	All diseases		Injuries		Poisonings		All causes	
		Deaths	Rate per 100,000	Deaths	Rate per 100,000	Deaths	Rate per 100,000	Deaths	Rate per 100,000
16–19	11,125	14	125.84	18	161.80	1	8.99	33	296.63
20–24	44,320	54	121.84	116	261.73	2	4.51	172	388.09
25–29	17,500	34	194.29	35	200.00	2	11.43	71	405.72
30–34	8,528	22	257.97	20	234.52	1	11.73	43	504.22
35–39	4,023	11	273.43	11	273.43	1	24.86	23	571.72
40–44	1,287	10	777.00	5	388.50	0	0	15	1,165.50
45–49	448	7	1,562.50	1	223.21	1	223.21	9	2,008.93
50–54	148	1	675.68	0	0	0	0	1	675.68
55–59	38	0	0	0	0	0	0	0	0
60–64	16	0	0	0	0	0	0	0	0
65–69	3	0	0	0	0	0	0	0	0
70–74	1	0	0	0	0	0	0	0	0
Unknown	5								
Total	87,442	153	174.97	206	235.58	8	9.15	367	419.71

In 1924, as in 1923, the age group, 16–19 years, had the highest admission rate for disease and for injuries. In 1923 the rate for poisoning, which includes all forms of poisoning exclusive of ordinary alcoholism and narcotic drug addictions, was highest for the age

group, 40–44, and but little less for the group, 35–39. As might be expected, poisoning hazards, industrial and otherwise, are not ordinarily encountered at training stations where many of the men in the youngest age group are to be found. Specific rates by age groups will not be of maximum value until the experience of several years has been recorded. This is the second year in which such figures have been compiled. In 1924, as in the preceding year, the all cause and all disease rates decreased steadily with increasing age until the age of 45, after which the rates increased a little. There are so few men in the older age groups that the figures for a 10-year period at least should be available for true comparison. However, it is clear enough that the young men are largely responsible for high rates. The all cause admission rate for the age group, 16 to 19, was 983 per 1,000 in 1923 and only 745 in 1924, a reduction of 24 per cent. For the next highest group, 20 to 24, the rate was 669 in 1923 and 625 in 1924, a decrease of less than 7 per cent.

Prompt discharge of unfit recruits at naval training stations was probably a factor along with lower incidence of communicable diseases of the respiratory type in bringing about the decrease in the admission rate for the youngest age group.

Morbidity rates for midshipmen.—The general admission figures for the Navy include, of course, the figures for midshipmen at the Naval Academy. Midshipmen are under close medical supervision, and the conditions are such that regular admission to the sick list is advisable as a rule whenever it becomes necessary to excuse a midshipman from drill or other duty. As might be expected, sickness rates are much higher than for the naval service in general. Minor injuries resulting from participation in athletic sports account for a considerable portion of the recorded disability. In many instances the injury is of a character that might not require admission to the sick list elsewhere in the service.

In 1924 the admission rate from all causes was 657.14 per 1,000. The median rate for the years 1919 to 1924 is 875.44.

The death rate was 1.43 per 1,000 compared with 1.33, the median rate for the preceding five years.

The admission rate for injuries in 1924 was 86.67. The median rate for comparison is 128.47.

Admissions and rates, by classes of the Navy Nomenclature of Diseases and Injuries, are shown for midshipmen in General Statistical Table No. 2 on page 252.

The high admission rates at the United States Naval Academy and at naval training stations make the rates for the total personnel of the Navy much higher than they would be if the data for these stations were treated separately. Thus, the admission rates for all personnel, including midshipmen attached to the Naval Academy, combined with the complement and admission figures for the four training stations, were: All causes, 691.02 per 1,000; disease, 637.34 per 1,000; injuries and poisonings together, 53.68 per 1,000. For the rest of the personnel of the Navy and Marine Corps, corresponding rates were: All causes, 544.86 per 1,000; diseases, 483.03 per 1,000; injuries and poisonings, 61.83 per 1,000.

General morbidity rates for forces afloat

	Average strength	Certain communicable diseases other than venereal diseases [1]	Annual rate per 1,000	All diseases	Annual rate per 1,000	Injuries and poisoning other than drowning	Annual rate per 1,000	Drowning	Annual rate per 1,000	All causes	Annual rate per 1,000
FORCES AFLOAT											
All ships	63,708	2,178	34.19	28,417	446.05	3,691	57.94	41	0.64	32,149	504.63
Battleship divisions:											
Battle Fleet	17,551	761	43.36	7,135	406.53	951	54.18	9	.51	8,095	461.23
Scouting Fleet	10,458	537	51.35	5,600	535.48	742	70.95	3	2.87	6,345	606.71
Asiatic Fleet	2,102	77	36.63	1,201	571.36	95	45.20	2	.95	1,298	617.51
Destroyer squadrons:											
Battle Fleet	5,624	97	17.25	1,815	322.72	256	45.52	9	1.60	2,080	369.84
Scouting Fleet	5,634	90	15.97	1,887	334.93	262	46.50	2	3.55	2,151	381.79
Asiatic Fleet	2,746	39	14.20	1,435	522.58	95	34.60	0	0	1,530	557.38
Miscellaneous vessels:											
Battle Fleet	5,394	228	42.27	3,768	698.55	564	104.56	10	1.85	4,342	804.97
Scouting Fleet	5,314	53	9.97	1,119	210.58	204	38.39	0	0	1,323	248.96
Asiatic Fleet	1,073	33	30.75	557	519.12	90	83.88	1	.93	648	603.71
Naval forces, Europe	1,827	37	20.25	1,105	604.82	124	67.87	1	.55	1,230	673.23
Special Service Squadron (based on Panama)	1,710	123	71.73	995	581.87	102	59.65	0	0	1,097	630.99
Naval transportation service	3,179	87	27.37	1,353	425.61	127	39.95	1	.31	1,481	465.87
Ships on special duty (survey duty, ships on shakedown cruises, etc.)	1,234	16	12.97	447	362.24	79	64.02	3	2.43	529	428.69

[1] Venereal diseases and common diseases of the respiratory type, such as acute bronchitis, common colds, and tonsillitis, are not included. Influenza, all forms of pneumonia, and tuberculosis are included; also communicable diseases of all other types as listed in the United States Navy Classification.

Damage caused by different classes of diseases and injuries.—The following table shows the relative importance of the various classes of diseases and injuries during the year 1924, with regard to frequency of occurrence and resulting disability as expressed by numbers of sick days. For comparison, a table compiled from weighted averages of corresponding data for the preceding three years, 1921–1923, is presented.

Comparative importance of the several classes, United States Navy Nomenclature of Diseases and Injuries, in causing admissions to the sick list and sick days

1924

Cause of morbidity	Order of frequency	Per cent of total admissions	Standing, based on sick days	Per cent of total sick days	Admission rate per 1,000
Venereal diseases	(1)	24.69	(1)	16.27	137.57
Communicable diseases transmissible by oral and nasal discharges	(2)	23.43	(2)	12.36	130.55
Wounds and injuries	(3)	10.65	(3)	11.76	59.34
Diseases of the digestive system	(4)	7.69	(4)	8.96	42.83
Diseases of ear, nose, and throat	(5)	7.20	(5)	7.83	40.11
Other diseases of infective type	(6)	5.27	(6)	4.66	29.34
Communicable diseases transmissible by insects and other arthropods	(7)	2.67	(19)	1.47	14.89
Miscellaneous diseases and conditions not definitely classified	(8)	2.61	(9)	3.67	14.56
Diseases of genitourinary system (nonvenereal)	(9)	2.15	(12)	2.78	12.00
Diseases of motor system	(10)	2.01	(7)	4.59	11.20
Diseases of skin, hair, and nails	(11)	1.73	(14)	2.30	9.62
Parasites (fungi and certain animal parasites)	(12)	1.61	(20)	1.14	8.99
Diseases of eye and adnexa	(13)	1.29	(16)	2.08	7.19
Diseases of lymphatic system	(14)	1.09	(17)	1.82	6.07

Comparative importance of the several classes, United States Navy Nomenclature of Diseases and Injuries, in causing admissions to the sick list and sick days—Continued

1924—Continued

Cause of morbidity	Order of frequency	Per cent of total admissions	Standing, based on sick days	Per cent of total sick days	Admission rate per 1,000
Diseases of mind	(15)	.99	(8)	4.47	5.51
Diseases of respiratory system	(16)	.95	(11)	2.79	5.27
Diseases of circulatory system	(17)	.94	(13)	2.50	5.23
Hernia	(18)	.77	(15)	2.16	4.28
Diseases of nervous system	(19)	.57	(18)	1.61	3.19
Tuberculosis (all forms)	(20)	.49	(10)	2.93	2.74
Dental diseases and conditions	(21)	.45	(21)	.57	2.48
Poisons	(22)	.33	(25)	.14	1.81
Communicable diseases transmissible by intestinal discharges	(23)	.28	(23)	.36	1.55
Diseases of ductless glands and spleen	(24)	.10	(22)	.49	.56
Diseases of blood	(25)	.05	(24)	.17	.26

1921–1923, INCLUSIVE

Venereal diseases	(1)	19.93	(1)	14.41	123.33
Diseases of respiratory system	(2)	19.79	(2)	12.84	122.47
Communicable diseases transmissible by oral and nasal discharges	(3)	11.35	(5)	8.80	70.25
Diseases of digestive system	(4)	9.97	(4)	10.23	61.70
Wounds and injuries	(5)	9.65	(3)	10.79	59.69
Other diseases of infective type	(6)	5.29	(6)	4.48	32.70
Communicable diseases transmissible by insects and other arthropods	(7)	4.25	(14)	2.34	26.29
Miscellaneous diseases and conditions not definitely classified	(8)	2.68	(10)	3.27	16.55
Diseases of genitourinary system (nonvenereal)	(9)	2.66	(9)	3.66	16.47
Parasites (fungi and certain animal parasites)	(10)	2.16	(19)	1.70	13.37
Diseases of ear, nose, and throat	(11)	1.86	(11)	3.19	11.53
Diseases of skin, hair, and nails	(12)	1.71	(17)	2.03	10.60
Diseases of motor system	(13)	1.57	(8)	3.67	9.69
Diseases of eye and adnexa	(14)	1.36	(15)	2.14	8.42
Diseases of lymphatic system	(15)	1.10	(20)	1.64	6.81
Diseases of nervous system	(16)	.92	(13)	2.47	5.68
Hernia	(17)	.84	(16)	2.05	5.22
Diseases of circulatory system	(18)	.72	(18)	1.83	4.46
Poisons	(19)	.70	(22)	.29	4.34
Diseases of mind	(20)	.63	(12)	3.06	3.91
Tuberculosis (all forms)	(21)	.55	(7)	4.12	3.42
Communicable diseases transmissible by intestinal discharges	(22)	.13	(23)	.29	.78
Diseases of ductless glands and spleen	(23)	.08	(21)	.31	.51
Diseases of blood	(24)	.03	(24)	.10	.19

A word of explanation regarding the change in the relative standing of the class, "Diseases of the respiratory system," is necessary. With revision of the nomenclature, effective from January 1, 1924, the titles "Acute bronchitis" and "Acute tonsillitis" were taken from this class and placed together with "Vincent's angina" and a new title, "Catarrhal fever," covering admissions with common colds, to form a group entitled "Common infectious diseases of the respiratory type," included as a subgroup with "Communicable diseases transmissible by oral and nasal discharges." Without the admissions and sick days recorded for acute bronchitis and acute tonsillitis and without either form of acute pneumonia, the remaining titles in the class "Diseases of the respiratory system" were responsible for less than 1 per cent of all admissions to the sick list.

With this better arrangement of titles, the table for 1924 gives a striking picture of the conditions which principally require medical and nursing service. Venereal diseases, acute communicable diseases

of the respiratory type, and accidental injuries, in the order named, together accounted for 58 per cent of all admissions to the sick list and a little more than 40 per cent of all sick days.

The admission-rate column indicates that nearly 14 per cent of the personnel were admitted with venereal disease during the year (13.7 per cent). Literally, that is not true, because many men were admitted with more than one of the venereal diseases, and many were admitted with repeated new attacks of gonorrhea or chancroid infection. A separate admission was recorded for each new case, regardless of whether the individual had previously been admitted during the year with the same or a different venereal disease provided he had recovered from the previous infection. In case it becomes necessary to admit a man to the sick list with any disease for which he has previously been admitted, but from which he has not entirely recovered, a readmission is recorded. The figures in the above tables do not include readmissions. Only one admission is recorded for one case of disease, injury, or poisoning. Errors in reporting are corrected in the bureau, and in cases where a series of reports under different erroneous or provisional diagnoses are returned before the last one recording the finally established diagnosis is received, adjustment is made so that the case is recorded in the vital statistics of the Navy once only under the established diagnosis, and all sick days which have accrued are charged under the correct title.

The entire class of communicable diseases transmissible by discharges from the mouth and nose is represented in the table. The fact that it stands second on the list is due to the incidence of common colds, acute bronchitis, and acute tonsillitis. This class is analyzed below. The admission rate is equivalent to an attack rate of 13 per cent of the entire personnel. How many of the admissions were for men who had had one or more previous attacks of one or another of the common infections during the year is not known, and consequently it can not be stated what proportion of the personnel went through the year without a single admission for any of these causes.

The table shows that 1 in every 10 admissions to the sick list is for an injury of some kind. There were only two admissions reported as due to casualties in action. Many, if not most, accidental injuries are preventable. The damage caused by this class should ever be borne in mind.

Relative importance of various single causes of morbidity.—In the following table all diseases which were responsible for 100 or more admissions to the sick list in 1924 are listed in the order of frequency of admissions. The order of standing in regard to number of days of disability is also indicated. Percentages are based on the total number of admissions and of sick days caused by disease of all forms. Admissions and sick days charged for injuries and poisonings are not included in the totals, and titles belonging to these classes are not listed in the table.

Leading individual causes of morbidity and relative standing according to admissions and sick days, 1924

Cause of morbidity	Order of frequency	Per cent of total admissions	Standing, based on sick days	Per cent of total sick days	Admission rate per 1,000
Gonorrhea	(1)	17.12	(1)	9.60	84.94
Tonsillitis, acute	(2)	9.48	(4)	3.65	47.01
Chancroid	(3)	6.63	(5)	3.18	32.88
Bronchitis, acute	(4)	5.04	(9)	2.17	24.99
Syphilis	(5)	3.98	(2)	5.71	19.74
Catarrhal fever	(6)	3.33	(23)	.96	16.52
Influenza	(7)	3.05	(20)	1.17	15.11
Tonsillitis, chronic	(8)	2.82	(7)	2.43	14.01
Cellulitis	(9)	2.62	(11)	1.79	13.00
Appendicitis	(10)	2.26	(3)	3.92	11.20
Mumps	(11)	2.19	(8)	2.33	10.87
Malaria	(12)	1.66	(19)	1.19	8.22
Abscess, unqualified	(13)	1.40	(18)	1.22	6.94
Dengue	(14)	1.31	(42)	.46	6.48
Angina, Vincent's	(15)	1.20	(26)	.87	5.94
Gastroenteritis, acute	(16)	1.19	(43)	.44	5.89
No disease	(17)	1.15	(24)	.94	5.69
Deviation, nasal septum	(18)	1.10	(17)	1.26	5.43
Scabies	(19)	1.05	(32)	.69	5.22
Enteritis, acute	(20)	1.00	(49)	.28	4.95
Redundant prepuce	(21)	.95	(35)	.58	4.69
Bubo, inguinal (nonvenereal)	(22)	.82	(13)	1.55	4.09
Hemorrhoids	(23)	.80	(25)	.91	3.95
Cholangitis, acute	(24)	.77	(28)	.80	3.81
Hernia, inguinal	(25)	.76	(10)	2.05	3.78
Pharyngitis, acute	(26)	.74	(50)	.28	3.67
Otitis media, acute	(27)	.72	(31)	.72	3.59
Furunculosis	(28)	.70	(44)	.42	3.48
Bronchitis, chronic	(29)	.59	(12)	1.77	2.95
Measles	(30)	.59	(33)	.66	2.91
Gastritis, acute	(31)	.57	(52)	.26	2.83
Constipation	(32)	.56	(47)	.32	2.79
Rheumatic fever	(33)	.50	(16)	1.34	2.49
Otitis media, chronic	(34)	.47	(14)	1.51	2.34
Tuberculosis, pulmonary, chronic, active	(35)	.45	(6)	2.72	2.25
Pneumonia, lobar	(36)	.42	(29)	.80	2.06
Otitis, externa	(37)	.40	(54)	.22	1.99
Ingrowing nail	(38)	.39	(46)	.33	1.95
Flat foot	(39)	.36	(27)	.82	1.80
Varicocele	(40)	.34	(34)	.59	1.69
Arthitis, acute	(41)	.33	(36)	.56	1.66
Rheumatism, muscular	(42)	.33	(37)	.55	1.65
Conjunctivitis, catarrhal	(43)	.33	(53)	.25	1.62
Abscess, peritonsillar	(44)	.32	(55)	.22	1.60
Vaccinia	(45)	.32	(67)	.09	1.60
Autointoxication, intestinal	(46)	.32	(59)	.14	1.59
Sinusitis, frontal	(47)	.31	(39)	.49	1.54
Myositis, acute	(48)	.31	(61)	.13	1.54
Trichophytosis	(49)	.31	(48)	.32	1.52
Alcoholism, acute	(50)	.30	(68)	.06	1.49
Lymphadenitis	(51)	.30	(40)	.47	1.47
German measles	(52)	.25	(62)	.13	1.26
Antiinoculation	(53)	.25	(69)	.06	1.26
Scarlet fever	(54)	.25	(41)	.47	1.24
Eczema	(55)	.25	(38)	.53	1.23
Gastritis, chronic	(56)	.24	(30)	.79	1.20
Psychoneurosis, neurasthenia	(57)	.24	(22)	1.02	1.19
Dysentery, bacillary	(58)	.23	(58)	.18	1.16
Chickenpox	(59)	.23	(57)	.20	1.14
Laryngitis, acute	(60)	.22	(64)	.11	1.11
Hookworm disease	(61)	.22	(65)	.11	1.09
Rhinitis, acute	(62)	.22	(70)	.05	1.08
Dementia precox	(63)	.21	(15)	1.40	1.04
Orchitis, nonvenereal, acute	(64)	.20	(60)	.14	1.01
Arthritis, chronic	(65)	.20	(21)	1.05	.98
Abscess, alveolar	(66)	.19	(63)	.13	.96
Pneumonia, broncho	(67)	.18	(45)	.39	.91
Pleurisy, fibrinous, acute	(68)	.18	(56)	.21	.87
Carbuncle	(69)	.18	(66)	.11	.87
Sinusitis, maxillary	(70)	.17	(51)	.27	.84

This table speaks pretty well for itself. A similar table for 1923, published in last year's report, is available for comparison. That was the first year in which the relative standing of individual causes

of disability was calculated. Of course, comparable data for a series of years would have more value, but it may be said that the figures for two years are quite representative for most of the leading causes. Changes in the order of admissions in 1924 as compared with 1923, among the first 10 titles, were as follows:

Standing based on admissions

1924	1923
(1) Gonorrhea	Gonorrhea.
(2) Acute tonsillitis	Acute tonsillitis.
(3) Chancroid	Acute bronchitis.
(4) Acute bronchitis	Influenza.
(5) Syphilis	Chancroid.
(6) Catarrhal fever	Syphilis.
(7) Influenza	Mumps.
(8) Chronic tonsillitis	Measles.
(9) Cellulitis	Cellulitis.
(10) Appendicitis	Appendicitis.

Changes in the order of standing according to numbers of sick days recorded were as follows:

Standing based on sick days

1924	1923
(1) Gonorrhea	Gonorrhea.
(2) Syphilis	Syphilis.
(3) Appendicitis	Appendicitis.
(4) Acute tonsillitis	Acute tonsillitis.
(5) Chancroid	Acute bronchitis.
(6) Chronic pulmonary tuberculosis	Influenza.
(7) Chronic tonsillitis	Chronic pulmonary tuberculosis.
(8) Mumps	Mumps.
(9) Acute bronchitis	Measles.
(10) Inguinal hernia	Chancroid.

Mumps dropped to eleventh place according to admissions and remained where it was on the basis of sick days. Measles dropped to the eighth and thirty-third places, respectively. Cellulitis retained its standing as the ninth most common cause of admission but moved up to eleventh place as a cause of disability.

It must be remembered that this is a percentage distribution table. The position of any title in the list may be changed not only by an increase or decrease in the incidence of the disease in question but also by increases or decreases for other titles. For example, influenza was less prevalent in 1924 than in 1923. Fewer admissions were chiefly responsible for putting this title in seventh instead of fourth place. This change at the same time affected relative standing of chancroid and syphilis. The importance of these venereal infections as causes of disability and damage to the service is truthfully indicated by the tables, but to determine exactly what the experience was in comparison with 1923 or previous years it is necessary to analyze the figures for them separately, and likewise with measles or any other title. Analyses for all important causes of morbidity are discussed in following pages.

So far as chancroid and syphilis are concerned it may be said here that there was a 25 per cent increase in the ratio of cases of chancroid recorded, and the noneffective rate was nearly 29 per cent greater than in 1923. Possibly these increases were due in part to efforts to secure

more complete detection of disease. With syphilis there was a 6 per cent increase in the admission rate but the ratio of sick days as compared with the previous year actually decreased by 5.6 per cent. These considerations show how necessary it is to analyze statistics thoroughly and take all available evidence into consideration before reaching any conclusion regarding actual prevalence or damage in a given year as compared with a previous year or years. More complete reporting may lead to apparent increases which in reality did not take place. The best that can be done to increase the accuracy of statistics is to keep the underlying epidemiological importance of complete reporting before the service with the hope that the statistical data collected will so nearly represent 100 per cent occurrence that the coefficient of error will remain constant from year to year.

COMMUNICABLE DISEASES

In the classification of the United States Navy Nomenclature of Diseases and Injuries, communicable diseases are grouped as follows:

Communicable diseases transmissible by oral and nasal discharges:
- Group (A). Diseases classed as communicable in standard Health Department practice.
- Group (B). Common infectious diseases of the respiratory type, such as common colds, acute tonsillitis, and acute bronchitis.

Communicable diseases transmissible by intestinal discharges.
Communicable diseases transmissible by insects and other arthropods.
Tuberculosis (all forms).
Venereal diseases.
Diseases caused by fungi and certain animal parasites.
Other diseases of infective type.

For various reasons certain important and dangerous, although unrelated, infections are grouped together in the last-mentioned class, "Other diseases of infective type," along with such common conditions as coccal infections, rheumatic fever, unclassified dysentery, focal infection, cellulitis, etc. These common infections are responsible, of course, for the standing of this class in sixth place in 1924 in the order of admissions recorded among all classes.

Tetanus, which from an epidemiological viewpoint is not communicable, is placed in this class, and likewise certain other diseases which are communicable but rarely occur among naval personnel. These include anthrax, gangosa, leprosy, Malta fever, rabies, undulant fever, and yaws.

COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES

The communicable diseases which are spread by the direct and indirect transfer of infectious secretions or discharges from the mouth and nose are responsible for the most difficult and serious public-health problems. It would not be surprising if this class stood first among all classes in the Navy every year, because the common communicable diseases of the upper respiratory tract, potential causes of serious damage to the heart, lungs, and other organs, are properly included.

The following table indicates the order in which constituent titles stood within the class in 1924:

Communicable diseases transmissible by oral and nasal discharges (Class VIII) 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing, based on sick days	Per cent of class sick days	Annual admission rate per 1,000
Tonsillitis, acute	1	36.01	1	25.97	47.01
Bronchitis, acute	2	19.14	3	15.41	24.99
Catarrhal fever, acute	3	12.66	5	6.82	16.52
Influenza	4	11.57	4	8.36	15.11
Mumps	5	8.33	2	16.60	10.87
Angina, Vincent's	6	4.55	6	6.20	5.94
Measles	7	2.23	8	4.70	2.91
Pneumonia, lobar	8	1.58	7	5.72	2.06
German measles	9	.96	12	.93	1.26
Scarlet fever	10	.95	9	3.36	1.24
Chicken pox	11	.87	11	1.45	1.14
Pneumonia, broncho	12	.70	10	2.75	.91
Diphtheria	13	.25	13	.58	.33
Cerebrospinal fever	14	.09	14	.57	.12
Smallpox	15	.05	16	.21	.07
Whooping cough	16	.03	17	.07	.03
Poliomyelitis, anterior, acute	17	.02	15	.23	.03
Glanders	18	0	18	0	0

Direct comparison for the class as a class can not be made with figures of previous years because 1924 was the first year in which acute tonsillitis and the other common infections were included in Class VIII. However, no particular point would be made by such comparison. The above table serves its purpose by indicating the relative prevalence of such diseases as measles, scarlet fever, and diphtheria in comparison with the more common and hence more important infections so far as damage to the health of the Navy is concerned. Each of the diseases must be considered separately for more exact information.

For the class as a whole admission rates per 1,000 were as follows:

Total personnel	130.55
Officers of the Navy and Marine Corps	82.50
Enlisted men of the Navy	133.17

The noneffective rate, entire personnel, was 3.75 per 1,000, meaning 375 persons per 100,000 constantly disabled.

Admission rates among officers of the Navy and Marine Corps and enlisted men of the Navy, by age groups, are of interest. They were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	2,713	243.87
20–24	1,215	96	79.01	44,320	6,586	148.58
25–29	1,925	176	91.43	17,500	1,507	86.11
30–34	1,939	146	75.30	8,528	516	60.51
35–39	1,782	152	85.30	4,023	215	53.44
40–44	1,178	97	82.34	1,287	69	53.61
45–49	667	49	73.46	448	21	46.87
50–54	323	28	86.69	148	13	87.84
55–59	139	14	100.72	38	1	26.32
60–64	44	2	45.45	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	760	82.50	87,437	11,641	133.17

ACUTE TONSILLITIS

There were 5,607 admissions with acute tonsillitis recorded for the entire Navy, making the admission rate 47.01 per 1,000. The median rate for the preceding five years is 62.78, so the incidence in 1924 was 25 per cent less than the expected rate.

There were 42,433 sick days charged to acute tonsillitis, a daily average of 116, or 97 men per 100,000 constantly on the sick list, compared with the median experience, 1919–1923, of 131 per 100,000. The average number of sick days for all admissions was 7.57, compared with the median, 7.62.

Acute tonsillitis was charged as the primary cause of death in 5 cases, making the death rate 4.2 per 100,000. The secondary causes of death in these cases were lobar pneumonia in 2 cases and septicemia in 3.

Cases of acute tonsillitis, entire Navy, were reported by months, as follows:

	Admissions	Per cent		Admissions	Per cent
January	789	14.07	July	272	4.85
February	772	13.77	August	302	5.39
March	780	13.91	September	310	5.53
April	593	10.58	October	285	5.08
May	435	7.75	November	312	5.56
June	284	5.07	December	473	8.44

The seasonal distribution was not notably different from that observed in previous years. Admission rates for the whole year, by age groups, among enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	895	80.45	50–54	148	3	20.27
20–24	44,320	2,577	58.15	55–59	38	0	0
25–29	17,500	567	32.40	60–64	16	0	0
30–34	8,528	174	20.40	65–69	3	0	0
35–39	4,023	59	14.67	70–74	1	0	0
40–44	1,287	22	17.09				
45–49	448	2	4.46	Total	87,437	4,299	49.16

As compared with 1923, the only year for which corresponding data are available, there was a marked reduction in the rate for the youngest age group, 32 per cent. The percentage reduction for the next age group, 20–24, which had the next highest admission rate, as in 1923, was only 12 per cent. This marked reduction in the age group which characteristically has the highest attack rate with little or no reduction among older men is possibly indicative of better quality of recruits taken into service in 1924.

ACUTE BRONCHITIS

There were 2,981 admissions with acute bronchitis recorded, entire Navy, making the admission rate 25 per 1,000. The median rate of the years 1919–1923 is 43. A fair comparison can not be made because, beginning January 1, 1924, a new title, "Catarrhal fever,"

was added to the Nomenclature and it is impossible to say how many cases which would have been recorded as acute bronchitis in previous years were returned as cases of common colds under the new title. It is desirable, nevertheless, to record all figures which may serve for comparison in future years.

There were 25,184 sick days, a daily average of 69, or 58 men per 100,000, constantly on the sick list. The average number of sick days for all admissions was 8.45. The corresponding median is 8.53.

No death was recorded under the title, "Acute bronchitis."

In addition to the 2,981 admissions with acute bronchitis in 1924 there were 75 cases remaining under treatment from 1923, making a total of 3,056 cases treated during the year. Complications and sequelæ developed in 44, or 1.44 per cent, as follows:

Complication	Cases	Per cent	Complication	Cases	Per cent
Pneumonia, broncho	12	0.39	Pleurisy, serofibrinous	2	0.07
Pneumonia, lobar	11	.36	Measles	1	.03
Bronchitis, chronic	8	.26	Tonsillitis, chronic	1	.03
Tuberculosis, pulmonary, chronic, active	5	.16	Angina, Vincent's	1	.03
Tuberculosis, pulmonary, chronic, arrested	2	.07	Pleurisy, fibrinous	1	.03
			Total	44	1.44

Admissions, entire Navy, were distributed by months as follows:

	Admissions	Per cent		Admissions	Per cent
January	453	15.20	July	153	5.13
February	357	11.98	August	137	4.60
March	307	10.30	September	170	5.70
April	339	11.37	October	190	6.37
May	251	8.42	November	229	7.68
June	175	5.87	December	220	7.38

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	366	32.90	50–54	148	5	33.78
20–24	44,320	1,167	26.33	55–59	38	1	26.00
25–29	17,500	344	19.66	60–64	16	0	0
30–34	8,528	138	16.18	65–69	3	0	0
35–39	4,023	82	20.38	70–74	1	0	0
40–44	1,287	23	17.87				
45–49	448	9	20.09	Total	87,437	2,135	24.42

ACUTE CATARRHAL FEVER

As noted above, this title was not used in previous years and no data are available for comparison. Admissions recorded in 1924 as with acute catarrhal fever would have been reported in former years under various titles, including acute bronchitis, acute rhinitis, acute pharyngitis, and acute laryngitis.

There were 1,971 admissions, making the admission rate 16.52 per 1,000.

There were 11,143 sick days, a daily average of 31, or 26 men per 100,000, constantly on the sick list. The average number of sick days for all admissions was 5.65.

There were no deaths.

Cases were reported, by months, as follows:

	Admissions	Per cent		Admissions	Per cent
January	88	4.46	July	168	8.52
February	118	5.99	August	120	6.09
March	173	8.78	September	143	7.26
April	205	10.40	October	173	8.78
May	110	5.58	November	234	11.87
June	106	5.38	December	333	16.89

The months of greatest prevalence were March and April and November and December, whereas with acute bronchitis the high months were January and February. Comparatively few admissions with bronchitis were recorded in November and December when catarrhal fever cases were reported as most numerous. Tonsillitis followed about the same seasonal prevalence as acute bronchitis. The high months were January, February, March, and April with no great increase in December or during the autumn.

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	552	49.62	50–54	148	1	6.76
20–24	44,320	687	15.50	55–59	38	0	0
25–29	17,500	158	9.03	60–64	16	0	0
30–34	8,528	51	5.98	65–69	3	0	0
35–39	4,023	21	5.22	70–74	1	0	0
40–44	1,287	6	4.66				
45–49	448	1	2.23	Total	87,437	1,477	16.89

It will be noted that the youngest age group shows a conspicuously high attack rate, as with other acute communicable diseases of the respiratory type. If no boy under the age of 20 could enlist, the sickness rates of the Navy would be much smaller than they are.

The diseases for which the figures are given above, together with Vincent's angina, form Group B of Class VIII, Communicable diseases transmissible by oral and nasal discharges. Diseases of Group A are less prevalent and are therefore taken up after those of Group B.

VINCENT'S ANGINA

The fact that this title occupies a place as high as sixth in the relative standing of all diseases in Class VIII indicates comparatively high incidence. It occupies sixth place with respect to recorded sick days as well as admissions. The infection is even more common than the figures suggest, for in many cases the patient is treated successfully without being relieved from duty.

In 1924, 709 admissions were recorded, making the rate 5.94 per 1,000. There were 10,134 sick days, a daily average of 28, or 23 men per 100,000, constantly on the sick list. The average number of sick days for all admissions was 14.2.

Vincent's angina was charged as the primary cause of one death. No secondary cause was assigned. The medical record states that death resulted from toxemia and edema of the larynx for which tracheotomy gave but temporary relief.

Admissions for Vincent's angina were quite evenly distributed through the year, as follows:

	Admissions	Per cent		Admissions	Per cent
January	50	7.05	July	56	7.90
February	48	6.77	August	66	9.31
March	70	9.87	September	54	7.62
April	74	10.44	October	62	8.74
May	49	6.91	November	66	9.31
June	55	7.76	December	59	8.32

INFLUENZA

There were only 1,802 admissions as with influenza recorded in 1924, making the admission rate, entire Navy, 15.11 per 1,000. This is 76 per cent less than the median for the preceding five years. It is a lower admission rate than any recorded since 1908. The statistics for years prior to that were not compiled in such form as to make it possible now to determine what the incidence of the disease was from year to year.

The prevalence of influenza during the past 10 years is shown by Chart No. 1. The disease has not caused a great deal of damage in the Navy since 1920, which ended a period of three years during which many deaths attributable to influenza occurred each year.

In 1924, 13,660 sick days were charged to influenza, a daily average of 37, representing 31 men per 100,000, constantly on the sick list, in comparison with 124 during the median year 1919–1923. The average number of sick days for all admissions was 7.58. The corresponding median of the preceding five years is 8.26.

Only one death was charged to influenza in 1924, making the death rate 0.84 per 100,000. Lobar pneumonia was recorded as the secondary cause of death.

The Navy's experience with influenza in recent years, before and since the pandemic of 1918, is indicated by the following table:

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	4,133	----------	60.71	----------	----------
1916	69,294	3,233	----------	46.66	----------	----------
1917	246,580	10,325	1	42.04	0.41	0.009
1918	503,792	121,225	4,158	240.63	825.34	3.43
1919	298,774	20,366	558	68.17	196.80	2.74
1920	140,773	9,818	278	69.74	197.48	2.83
1921	148,861	2,970	8	19.95	5.37	.27
1922	122,126	7,712	9	63.15	7.37	.12
1923	116,565	4,658	6	39.96	5.15	.13
1924	119.280	1,802	1	15.11	.84	.06

Prior to 1917 deaths in the Navy were charged to the disease or condition clinically recognized as the immediate or finally determining cause of death, and therefore such deaths as may have been caused by influenza must have been charged to pneumonia or some other complication.

The question always arises, especially in years in which definite epidemics have not occurred, as to how reliable morbidity reports

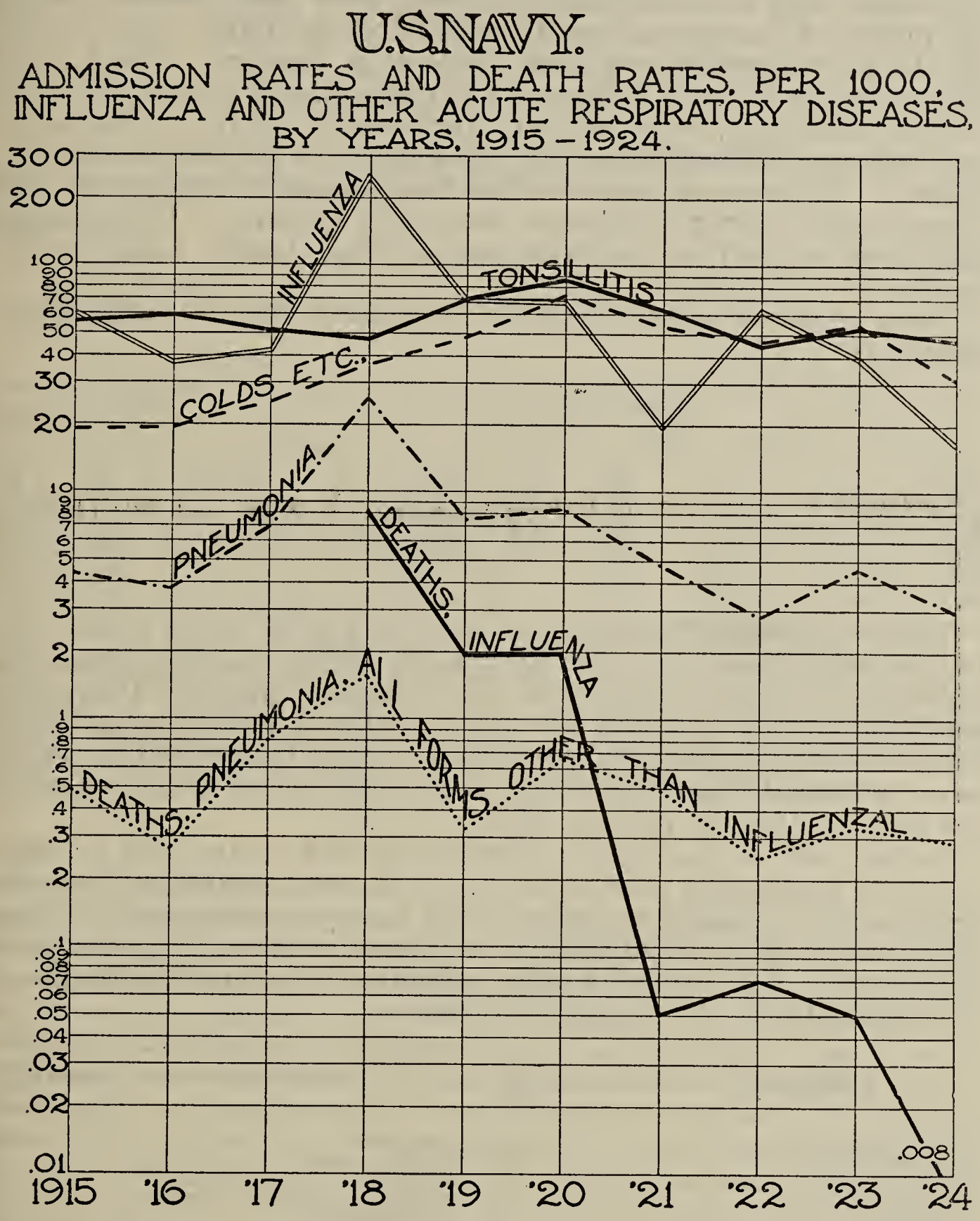

Chart 1

notifying influenza are as an index of the prevalence of the disease. In many instances, no doubt, common colds, with or without bronchitis, are recorded as cases of influenza. To offset this error, in part at least, many mild cases of influenza are probably not recognized as such. It can not be asserted positively that the vital statistics of the Navy truly indicate the prevalence of influenza in nonepidemic times, but it is probable that curves plotted from morbidity reports

representing the entire Navy do very closely indicate the true prevalence. The epidemiological evidence tends to support the belief that influenza is with us every year, although typical epidemics affecting several or many ships and stations at or about the same time do not occur every year.

No definite outbreaks occurred in the Navy in 1924. Twenty cases were reported by the Naval Training Station, San Diego, Calif., in January and 40 in February. Twenty-four cases occurred during the month of January at the Marine Barracks, Parris Island, S. C. The U. S. S. *Maryland* reported 15 cases in January. The U. S. S. *Colorado* reported 20 in February, 15 in March, and 24 in April. The U. S. S. *Mississippi* reported 26 in April and 10 in May. The receiving station at Philadelphia, Pa., reported 11 in February and 19 in March. Sixteen cases were notified for the marine detachment, San Diego, Calif., during September and 25 in October. Twenty-three cases were notified for the naval station, Mare Island, Calif., in December.

Cases of influenza were reported, by months, for the entire Navy, as follows:

	Admissions	Per cent		Admissions	Per cent
January	264	14.65	July	85	4.72
February	219	12.15	August	72	3.99
March	258	14.31	September	101	5.61
April	222	12.32	October	114	6.33
May	118	6.55	November	114	6.33
June	67	3.72	December	168	9.32

The prevalence of influenza in the Navy is of course closely correlated with prevalence in the United States, barring occasional exposure of certain groups of the personnel abroad. Provisional death rates from influenza for certain cities in various parts of the United States, obtained from the United States Bureau of the Census, seem to indicate that death rates were much lower in most parts of the country than in 1923 or 1922.

In addition to the 1,802 patients admitted to the sick list with influenza during the year, there were 45 cases remaining from the previous year, making a total of 1,847 cases treated in 1924. Complications or intercurrent disease developed in 28, or 1.5 per cent, of these cases. The following table indicates the nature and frequence of complications and associated diseases:

Complication	Cases	Per cent	Complication	Cases	Per cent
Pneumonia, broncho	7	0.38	Pansinusitis	1	0.05
Pneumonia, lobar	6	.32	Bronchitis, acute	1	.05
Cellulitis	2	.11	Measles	1	.05
Tonsillitis, acute	2	.11	Tuberculosis, active, pulmonary, general, miliary	1	.05
Mastoiditis	2	.11			
Otitis media	2	.11			
Sinusitis, maxillary	2	.11	Total	28	1.51
Myocarditis	1	.05			

It appears that complications similar to those which were so common when influenza was pandemic and when epidemics were occurring in 1919, 1920, and 1922 were observed in a small percentage of the cases in 1924, even though typical epidemics did not occur in the Navy.

Admission rates among enlisted men of the Navy, during the year, by age groups, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	195	17.53	50–54	148	4	27.03
20–24	44,320	591	13.33	55–59	38	0	0
25–29	17,500	216	12.34	60–64	16	0	0
30–34	8,528	91	10.67	65–69	3	0	0
35–39	4,023	33	8.20	70–74	1	0	0
40–44	1,287	10	7.77				
45–49	448	7	15.62	Total	87,437	1,147	13.12

The 1924 rates for groups large enough to warrant comparison were lower than corresponding 1923 rates, as follows:

Age group:	Per cent lower
16–19	63
20–24	62
25–29	49
30–34	45
35–39	45

The reduction for the youngest age group was not so much out of proportion to the percentage decreases for older groups as was the case with acute tonsillitis and as probably would have been found for acute bronchitis if the figures for the two years had been comparable. These figures suggest less exposure to influenza in 1924 throughout the service in about equal degree, but it is a matter for speculation as to how often the title, "Acute catarrhal fever," was used where the diagnosis would have been influenza in previous years. One may conclude that influenza was less prevalent in the Navy than in any recent year but that some of the apparent decrease was due to the adoption of a convenient title for reporting common colds. The fact that only one death occurred during the year that could be attributed to influenza is significant of actual decrease.

THE PNEUMONIAS

From the statistical standpoint all forms of pneumonia must be considered together, because differentiation between lobar pneumonia and broncho-pneumonia can not be expected in all cases during life. Lobar pneumonia is usually regarded as a primary disease, aside from the question of how often it is preceded by a cold or other infection of the upper respiratory tract, but morbidity reports and even death reports seem to indicate that true lobar pneumonia is not infrequently a complication of measles and of influenza. Broncho-pneumonia is more often a complication of these diseases, and it is probably true that broncho-pneumonia seldom occurs in adults as a primary disease. The comparatively low incidence of the common respiratory diseases, as well as influenza and measles, is reflected in the low admission rate from broncho-pneumonia; 59 per cent less than the median rate for the preceding five years. The admission rate for lobar pneumonia was 32 per cent less than the median.

The occurrence and distribution of cases of either form of pneumonia are affected by the number of carriers of pneumococci and other pneumonia-causing microorganisms in the population group

and by the frequency with which individuals in the group violate the laws of personal hygiene or are subjected to such predisposing influences as fatigue, chilling, etc. While the pneumonias are somewhat more common in the Navy during the colder months, cases occur throughout the year, and the difference between midsummer and midwinter prevalence in most years is not so great as might be expected. It is well-known that epidemics of pneumonia occur in the tropics when overcrowding and defective group and personal hygiene exist. In cities of the United States where the majority of men in the Navy are exposed, the percentage of healthy persons carrying microorganisms capable of producing pneumonia probably begins to increase late in the autumn with the beginning of shut-in living conditions. As a rule, admission rates for the common respiratory infections and the pneumonias begin to increase in the Navy in November, although in some years no definite increase is noted until December and occasionally not until after the 1st of January. The highest rates are observed in January, February, and March, after which a gradual reduction usually occurs. In 1924, admission rates for nose and throat infections maintained winter levels through April. The admission rate for broncho-pneumonia did not begin to approach the summer level until June, and the rate for lobar pneumonia was comparatively high in May and July.

LOBAR PNEUMONIA

There were 246 admissions with lobar pneumonia in 1924, making an admission rate of 2.06 per 1,000, which is 32 per cent less than the median for the preceding five years—3.04.

There were 9,340 sick days, a daily average of about 26, representing an average of 21 men per 100,000 constantly on the sick list. The average number of sick days for all admissions was 37.97. The corresponding median is 43.31.

There were 28 deaths, making the death rate 23.47 per 100,000. The median rate for the years 1919–1923 is 26.11. The case fatality rate in 1924 was 11.4 per cent, which is higher than for any year since 1920 when the indicated case fatality rate was 12.77 per cent. In 25 of the 28 cases in which lobar pneumonia was recorded as the primary cause of death no secondary cause was assigned. Suppurative pleurisy was the contributory cause of death in one case, septicemia in 1, and rupture of an aortic aneurism in 1. Besides these 28 cases, lobar pneumonia was charged as the secondary cause of death in 2 cases of acute tonsillitis and 1 case of influenza.

Admissions with lobar pneumonia, entire Navy, were reported by months, as follows:

	Admission	Per cent		Admission	Per cent
January	27	10.97	July	22	8.94
February	20	8.13	August	6	2.44
March	26	10.57	September	12	4.88
April	32	13.00	October	10	4.07
May	21	8.54	November	24	9.76
June	18	7.32	December	28	11.38

Admission rates for the year, enlisted men of the Navy, by age groups, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	52	4.67	50–54	148	0	0
20–24	44,320	113	2.55	55–59	38	0	0
25–29	17,500	26	1.49	60–64	16	0	0
30–34	8,528	13	1.52	65–69	3	0	0
35–39	4,023	6	1.49	70–74	1	0	0
40–44	1,287	4	3.11				
45–49	448	2	4.46	Total	87,437	216	2.47

Lobar-pneumonia statistics for previous years are shown in the following table:

Lobar pneumonia

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	227	15	3.33	22.03	6.61
1916	69,294	216	15	3.12	21.65	6.94
1917	245,580	1,234	132	5.02	53.75	10.70
1918	503,792	4,990	601	9.90	119.29	12.04
1919	298,772	1,053	78	3.52	26.11	7.41
1920	140,773	556	71	3.95	50.44	12.77
1921	148,861	453	45	3.04	30.23	9.93
1922	122,126	226	20	1.85	16.38	8.85
1923	116,565	264	22	2.26	18.87	8.33
1924	119,280	246	28	2.06	23.47	11.40

BRONCHO-PNEUMONIA

There were only 109 admissions for broncho-pneumonia during the year, making an admission rate of 0.91 per 1,000, which is 59 per cent less than the median for the preceding five years—2.20.

There were 4,489 sick days, a daily average of 12, representing an average of 10 men constantly on the sick list, as compared with a daily average of 24 in the median year of the period 1919–1923. The average number of sick days for all admissions was 41, which is a little longer than the median, 40 days.

Broncho-pneumonia was charged as the primary cause of death in 5 cases. The rate indicated by this figure is 4.19 per 100,000. This rate has not very much meaning because broncho-pneumonia is not characteristically a primary disease. However, when the deaths of which broncho-pneumonia was charged as the secondary cause are added, the figures account for all cases and all deaths. There were few such cases in 1924. Broncho-pneumonia was recorded as the secondary cause of death in 5 cases of measles and in 1 case of diabetes. Suppurative pleurisy was stated as the contributory cause of death in 1 case of measles. Either broncho-pneumonia or lobar pneumonia may have preceded empyema, and the case is not included in the figures for the former. Accordingly there appear to have been 11 deaths in all from broncho-pneumonia, making the death rate 9.22 per 100,000 and the indicated case fatality rate 10.09 per cent.

Admissions with broncho-pneumonia were reported, by months, entire Navy, as follows:

	Admissions	Per cent		Admissions	Per cent
January	25	22.95	July	2	1.83
February	14	12.84	August	1	.92
March	13	11.93	September	6	5.50
April	15	13.77	October	2	1.83
May	10	9.17	November	9	8.26
June	6	5.50	December	6	5.50

Admission rates, by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	19	1.71	50–54	148	0	0
20–24	44,320	44	.99	55–59	38	0	0
25–29	17,500	15	.86	60–64	16	0	0
30–34	8,528	3	.35	65–69	3	0	0
35–39	4,023	3	.75	70–74	1	0	0
40–44	1,287	2	1.55				
45–49	448	0	0	Total	87,437	86	.98

Broncho-pneumonia statistics for previous years are shown in the following table:

Broncho-pneumonia

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1914	67,141	50	7	0.74	10.43	14.00
1915	68,075	60	7	.88	10.28	11.67
1916	69,294	40	3	.58	4.33	7.50
1917	245,580	459	67	1.87	27.28	14.60
1918	503,792	7,591	156	15.07	30.96	2.06
1919	298,772	1,175	19	3.93	6.36	1.62
1920	140,773	621	20	4.41	14.21	3.22
1921	148,861	251	26	1.69	17.47	10.36
1922	122,126	114	14	.93	11.47	12.28
1923	116,565	256	41	2.20	35.17	16.02
1924	119,280	109	11	.91	9.22	10.09

MUMPS

After influenza and the common infections of the respiratory tract, mumps, of all the communicable diseases, usually causes the greatest number of admissions to the sick list of the Navy, and the greatest loss of time. This is due in large part to the young ages at which recruits are taken into the service. Among enlisted men of the Navy the incidence of mumps is more than twice as great in the age group, 16–19 years, as in the next age group and about ten times as great as among men older than 25 years.

Fortunately, serious complications seldom arise, and a fatal case is very rare. The five deaths in the Navy which have been charged to mumps as the primary cause during the past decade probably

resulted from influenza or some other acute infection acting as intercurrent disease, rather than a true complication leading to the fatal terminal infection.

The long average period of treatment required for mumps accounts for considerable loss of service in years during which many cases occur in the Navy as a result of general high prevalence in the country at large.

When mumps is introduced a considerable percentage of susceptibles in the exposed population group generally take the disease in spite of elaborate precautions to prevent contact with foci of infection. As a rule the net return on efforts to prevent spread is not great enough to justify more than the cardinal preventive measure, early detection and prompt isolation of cases as they appear, in conjunction with the careful attention to matters of hygiene and sanitation that is expected in the Navy at all times. Measures which interfere with the work of the organization are ordinarily not justifiable, and as a rule quarantine measures which deprive any considerable number of men of liberty can hardly be justified by any measurable effect in terminating an outbreak.

Mumps, like measles, appears to follow irregular cycles of prevalence in the Navy, although the cycles are less regular than with measles. Natural periodicity is modified by the comparative numbers of recruits taken into the service in different years and by certain other factors, including fortuitous exposure of a comparatively large number of men in some one locality where the disease happens to be epidemic.

The Navy was extraordinarily free from mumps in 1922 with a total of only 120 cases. In 1923 the admission rate was a little higher than in most pre-war years, and in 1924, a little lower.

In 1924 there were 1,297 cases, making the admission rate 10.87 per 1,000. The median rate for the preceding five years is 19.68.

There were 27,117 sick days. This figure is the equivalent of 62 men per 100,000 constantly under treatment as compared with the median, 116, for the years 1919–1923. The average number of sick days for all admissions was 20.91. The corresponding median is 20.1.

No death was charged to mumps.

About equal numbers of cases were reported in the course of the year for the force afloat and for personnel at naval stations in the United States, including naval training stations. Ashore, most of the cases occurred at the United States Naval Training Station, Hampton Roads, Va.—313. The next largest number, 25, was reported by the United States Naval Training Station, Great Lakes, Ill. Very few cases occurred throughout the year in the training stations at Newport, R. I., and San Diego, Calif. The senior medical officer of the station at Hampton Roads, Va., wrote, "While 1923 may be called a 'measles year,' 1924 may well be designated as a 'mumps year,' and of course these diseases may reasonably be expected to appear on the station in epidemic form when they are prevalent in the city of Norfolk. It is interesting to note that these diseases very seldom occurred in recruits while in detention but appeared after liberty had been granted."

A number of ships reported single cases or two or three cases occurring in a single week, but more often when the disease was intro-

duced on board ship, successive crops of cases occurred either in numbers justifying the term, outbreak, or in endemic prevalence extending over several weeks. The following ships reported more than 10 cases each in the course of the year:

U. S. S. *Nevada*	83
U. S. S. *Utah*	81
U. S. S. *Wyoming*	57
U. S. S. *West Virginia*	53
U. S. S. *Idaho*	49
U. S. S. *Arizona*	41
U. S. S. *New York*	36
U. S. S. *Maryland*	34
U. S. S. *Tennessee*	28
U. S. S. *Colorado*	27
U. S. S. *Florida*	18
U. S. S. *Rochester*	16
U. S. S. *Prometheus*	15
U. S. S. *Aroostook*	15

It is probable that mumps was freshly introduced on board most of these ships by recruits from the United States Naval Training Station, Hampton Roads, Va., transported by the U. S. S. *Henderson* to the fleet which was engaged in operations in the West Indies. Mumps was epidemic at the Hampton Roads station from early in January. Two cases developed on board the *Henderson* during the second week in February, one in the third week, one in the fourth, and one in the second week of March. However, the battleships listed above were by no means free of mumps before receiving recruits from Hampton Roads. The *Nevada* reported 43 cases in December, 1923, and 33 in January, 1924. The *Wyoming* had 1 case in December and 23 in January. The *Idaho* had been having an outbreak since November. The *New York*, *Maryland*, and *Colorado* all reported cases in November and December as well as in January.

For the entire Navy cases were reported, by months, as follows:

	Admissions	Per cent		Admissions	Per cent
January	141	10.87	July	51	3.93
February	194	14.96	August	11	.85
March	298	22.98	September	13	1.00
April	248	19.12	October	5	.39
May	144	11.10	November	21	1.62
June	154	11.87	December	17	1.31

Admission rates, by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	366	32.90	45–49	448	0	0
20–24	44,320	704	15.88	50–54	148	0	0
25–29	17,500	59	3.37	55–59	38	0	0
30–34	8,528	14	1.64	60–64	16	0	0
35–39	4,023	1	.25	65–69	3	0	0
40–44	1,287	0	0	70–74	1	0	0
				Total	87,437	1,144	13.08

Mumps statistics for previous years are shown in the following table:

Mumps

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	1,053	----------	15.47	----------	----------
1916	69,294	726	----------	10.62	----------	----------
1917	245,580	9,779	----------	39.82	----------	----------
1918	503,792	17,832	3	35.40	0.60	0.016
1919	298,774	5,874	----------	19.66	----------	----------
1920	140,773	3,915	----------	27.80	----------	----------
1921	148,861	3,875	2	26.3	1.34	.05
1922	122,126	120	----------	.98	----------	----------
1923	116,565	1,880	0	16.20	0	0
1924	119,280	1,297	0	10.87	0	0

MEASLES

So far as prevalence in the Navy is concerned, it appears that since the passing of war-time conditions measles has followed a three-year cycle. The disease was unusually prevalent in 1920. In 1921 the incidence was quite low and in 1922 very few cases occurred. The remarkably low rate of that year was followed in 1923 by the highest admission rate experienced since 1918, carrying with it a death rate almost as high as the 1918 rate which was associated with all the war-time epidemiological conditions, including the concurrent prevalence of influenza and unusual forms of pneumonia.

The high prevalence in 1923 can not be explained altogether on the grounds of active recruiting and high rate of personnel turnover, although the rate of turnover was about twice as high as in either of the preceding two years.

In 1924, the year now under review, comparatively few cases of measles occurred. While the admission rate was not as low as in 1922 it was lower than that for any year following right after a measles year, and the figures for the first half of 1925 indicate another year of low prevalence. It remains to be seen whether a three-year cycle will bring high prevalence again in 1926.

Provisional death rates from measles, computed by the United States Bureau of the Census, Department of Commerce, for cities having populations of 100,000 or more, seem to indicate low prevalence of measles in most parts of the United States in 1922 and high prevalence in 1923, corresponding with the Navy's experience. New York City, Philadelphia, Trenton, Jersey City, New Haven, Conn., and Fall River, Mass., were exceptions, having higher death rates in 1922 than in 1923. Louisville, Cleveland, Cincinnati, and Omaha, Nebr., were also exceptions. The 1924 rates so far computed for cities of 100,000 population seem to indicate relatively low prevalence, corresponding again with the Navy's experience. Exceptions are Birmingham, Ala.; New Orleans, La.; and Trenton, N. J.

In 1924 there were only 347 cases in the Navy, making the admission rate 2.91 per 1,000. The median for the preceding five years is 5.01.

There were 7,687 sick days, representing a daily average of 18 men per 100,000 constantly under treatment, as compared with 44 during the median year 1919–1923. The average number of sick days for all admissions was 22.15. The corresponding median 1919–1923 is 21.76.

There were six deaths, or 5.03 per 100,000. The median for the period 1919–1923 is 6.02. The case fatality rate indicated by these deaths is 1.73 per cent. The median fatality rate of the preceding five years is 1.67.

In five of the six fatal cases in 1924 the secondary cause of death was broncho-pneumonia and in one case, suppurative pleurisy. All six cases developed in January.

In view of the considerable importance of measles as a cause of death from year to year, the distribution of fatal cases of measles with case fatality rates indicated by months over a period of years is of interest. Excluding the years 1917 and 1918 during which so many factors entered to influence epidemiological distributions of measles, and probably also to increase the danger of cross infection and fatal complications, figures are presented in the following tables for the six-year period, 1919 to 1924, inclusive. Figures for 10 years might perhaps better serve as the basis for conclusions, but six years is a long enough period for the proper weighting of most conditions.

Fatal cases of measles, by months, period 1919–1924, inclusive

Month	Deaths	Per cent	Month	Deaths	Per cent
January	29	32.22	July	0	0
February	25	27.78	August	0	0
March	14	15.56	September	2	2.22
April	4	4.45	October	0	0
May	2	2.22	November	1	1.11
June	1	1.11	December	12	13.33
			Total	90	100.00

Fatality probabilities are indicated more definitely in the following table:

Case fatality rates, measles in the United States Navy, by months, 1919–1924, inclusive

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919	0	1.5	5.3	1.2	2.7	1.8	0	0	3.0	0	0	0
1920	8.6	3.3	1.3	0	0	0	0	0	0	0	0.9	3.2
1921	2.6	2.4	0	0	0	0	0	0	0	0	0	0
1922	0	0	0	5.0	0	0	0	0	0	0	0	0
1923	1.4	4.2	1.9	1.2	0	0	0	0	0	0	0	.5
1924	3.2	0	0	0	0	0	0	0	0	0	0	0
Weighted averages, six years	2.8	3.0	2.2	0.9	0.5	0.3	0	0	1.2	0	0.4	1.9
Median rate, six years	2.0	2.0	0.7	0.6	0	0	0	0	0	0	0	0

The weighted averages—that is, mean case fatality rates for the whole period of six years, by months—indicate a certain expectancy of fatal cases in September and November as well as in the colder months. A word about the September figure later. For most future years the expectancy is probably best indicated in the line showing monthly median case fatality rates. These indicate that about 2 of 100 January and February cases will prove fatal, and less than 1 per cent of the March and April cases, after which a fatal case will rarely occur until the next winter.

It must be remembered that we are dealing with male adults and adolescents in naval environments. During the past year Dr. Edward S. Godfrey, director of the division of communicable diseases, New York State department of health, in the course of studying measles rates in New York State, discovered that the experience with measles in that State was quite different from the Navy's experience. He found that fatality rates were higher on the average in August and September. The year 1918 was an exceptional one, and the highest fatality rate was for cases occurring in October, coincident with the pandemic of influenza.

The New York State figures show that median case fatality rates, by months, for the five-year period 1919–1923 were as follows:

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
0.8	1.2	1.0	0.9	0.7	0.6	0.8	1.6	1.6	1.1	0.8	0.9

Most of the deaths were of children under four years of age. About 19 per cent of the cases and 73 per cent of the deaths usually occur among children less than four years old, and that probably accounts for the difference in seasonal distribution. Children in institutions, as a rule, suffer very high fatality rates; at times as many as 30 per cent of those attacked die.

Children of preschool age probably account for summer epidemics and high death rates in August and September, not only in New York but in other States, and very likely in the occasional year—1919 was the last one—in which deaths occur in the Navy in September, the cases might be traced to foci of infection connected with outbreaks among young children, especially those of preschool age.

The following table is included to show the relations between deaths and numbers of cases which occurred each month in the Navy during the six-year period under discussion.

Admissions and deaths, measles in the United States Navy, by months and years, 1919–1924

Year	January	February	March	April	May	June	July	August	September	October	November	December	Totals	
													Cases	Deaths
1919:														
Cases	152	135	169	162	75	56	35	64	68	79	53	30	1,078	
Deaths	0	2	9	2	2	1	0	0	2	0	0	0		18
1920:														
Cases	128	90	231	114	159	168	101	99	82	62	117	343	1,694	
Deaths	11	3	3	0	0	0	0	0	0	0	1	11		29
1921:														
Cases	302	165	110	44	33	29	28	11	0	10	7	6	745	
Deaths	8	4	0	0	0	0	0	0	0	0	0	0		12
1922:														
Cases	3	5	8	20	22	7	7	5	1	3	4	57	142	
Deaths	0	0	0	1	0	0	0	0	0	0	0	0		1
1923:														
Cases	279	379	104	85	78	98	74	50	11	13	82	185	1,438	
Deaths	4	16	2	1	0	0	0	0	0	0	0	1		24
1924:														
Cases	187	48	25	16	16	13	22	11	3	0	1	5	347	
Deaths	6	0	0	0	0	0	0	0	0	0	0	0		6
Total:														
Cases	1,051	822	647	441	383	371	267	240	165	167	264	626	5,444	
Deaths	29	25	14	4	2	1	0	0	2	0	1	12		90

Measles can not be regarded as a trivial disease in any year. It is always potentially dangerous; particularly during the winter and spring months where the climate is such that shut-in living conditions exist and where carriers of microorganisms capable of producing serious complications are numerous. The danger of complications is probably greater during coincident outbreaks of measles and influenza, and yet the figures for 1923, showing a death rate almost as great as in 1918 and a case fatality rate a little higher than that recorded for 1918, indicate that measles at any time when prevalent is in itself liable to provoke fatal complications, for the Navy was comparatively free from epidemics of influenza in 1923 and pneumonias, other than influenzal pneumonia, were not unusually prevalent. The 24 deaths from measles that year represented 11.2 per cent of all deaths resulting from disease.

In addition to the 347 admissions with measles in 1924 there were 110 cases remaining under treatment from 1923, making a total of 457 cases treated during the year. Of these, 51 or 11.2 per cent were complicated by or associated with other diseases as follows:

Complications	Cases	Per cent	Complications	Cases	Per cent
Pneumonia, broncho	17	3.72	Conjunctivitis	1	0.23
Otitia media	16	3.50	Arthritis	1	.22
Tonsillitis, acute	6	1.31	Pleurisy, serofibrinous	1	.22
Mumps	3	.65	Sinusitis, frontal	1	.22
Chicken pox	2	.44	Choroiditis	1	.22
Influenza	1	.22			
Phlebitis	1	.22	Total	51	11.16

In view of these complications which occurred in a year when the disease was not characterized by momentous outbreaks, and from the considerations dwelt upon above, the dictum of previous years would seem to hold, that the liability of measles patients to develop pulmonary complications is so great, and cross infection occurs so quickly, especially during the winter months, that it is hazardous to treat measles patients in hospital wards without a technique approximating cubicle isolation with bedside disinfection and other precautions so carefully carried out that cross infection from other patients and from the attendants upon the sick will be prevented. It should be recognized that measles patients may not stand transportation well in cold weather.

Measles is preeminently a disease in which, if effective exposure occurs, the exposed individual will become infected if he has not previously had the disease. Enduring immunity usually follows recovery from measles. It is upon these epidemiological considerations that rational measures of prevention should be instituted, as well as upon the obvious fact that the disease is highly communicable. Fortunately, so far as prevention and control in the Navy are concerned, a considerable proportion of young recruits, among whom, as a rule, most of the cases in the Navy occur, either while they are at the training station or elsewhere while still young in the service, have already had measles, and these serve as barriers against the rapid spread of the disease even in organizations composed largely of recruits. Sometimes surprisingly few cases occur among contacts at a naval training station. On board ship, with older age groups

represented in the crew, there is correspondingly less danger of spread. The relation between age and prevalence in the Navy is worthy of comment. In 1923, a measles year, as described above, only 35 cases occurred among men in the age group 25–29; 4 in the group 30 to 34; and none in men above the age of 35. In 1924, there were only 7 cases in the group, 25–29; 4 in the group 30–34; and none in older groups.

While it is always important to prevent disease when it can be prevented, and while the measles patient is deserving of the greatest possible protection and care, it is usually not justifiable to employ quarantine measures which involve segregating healthy men who may have been in contact with a focus of infection if such segregation will interfere to an important degree with the work of the organization. And, likewise, restrictive measures imposed upon officers and enlisted men, which involve deprivation of liberty, are always to be avoided if possible in dealing with measles as well as certain other communicable diseases which in the past too frequently have been dealt with in that way upon erroneous assumption that quarantine was largely instrumental in checking the spread of the disease, when in reality most of the credit should have been given to mass immunity supplemented by the efficacy of prompt detection of new cases and immediate isolation. Deprivation of liberty under most conditions of naval life involves hardships which should not be lightly imposed.

Conditions at naval training stations are different than elsewhere in the service. Recruit population groups contain higher proportions of susceptibles than is likely to be the case on board ship, and quarantine of units in which measles occurs can be effected without any great interference with the work of the station.

On board ship, an immunity index will usually show that a sufficient number of the regular crew have had the disease to impose an effective barrier against progressive spread and the development of more than a few cases even when measles is introduced with a large draft of recruits from a training station. As a rule, cases are confined mostly to members of the draft. Often when the disease has been introduced in that way secondary cases have not occurred. While space is limited on board ship and men appear to be in close contact with one another, actually, thin steel bulkheads often separate men as effectually as distance, and, in reality, few men may come into effective contact with a man who is developing a communicable disease. Furthermore, routine sanitary measures such as sterilization of the crew's mess gear, general cleanliness of ship's spaces, and the limited number of articles likely to serve as vehicles for the exchange of infectious nose and throat secretions, together tend to prevent effective exposure. Circumstances which lead most men who are not more or less isolated below decks in spaces such as storerooms and the like to spend much of their time in the open air, likewise tend to limit the spread of the disease.

Thirty-three different ships reported one or more cases of measles in 1924. In 21 of these, one case occurred, not followed by any other case. Only six ships had several or more cases grouped in such a way as to make the term "outbreak" applicable.

The U. S. S. *Colorado* (complement 1,440 officers and men) had successive crops of cases extending through July and into August. The outbreak began with 1 case. In the second week there were 2;

in the third week, 8; in the fourth week, 6; and in the fifth week, 1—18 cases in all. A recruit from the naval training station at Hampton Roads, Va., who had been on board 17 days, was the focus of infection.

The oldest man attacked was 22 years old, and the patient with the longest service had been in the Navy less than a year and a half. Most of the patients were between 18 and 20 years of age and had been in the service less than a year. None had served 18 months.

The U. S. S. *Huron* (complement 1,031 officers and enlisted men) notified 1 case in the last week of May; 4 during the first week of June; none the next week; and 1 in the third week of June; in all, 6. The *Huron* had been in various Chinese ports before the outbreak and during the possible incubation period of the first case.

The patients were 19, 19, 20, 22, 23, and 24 years old. Two had served about two years; 3, less than one year; and 1, only three months.

The U. S. S. *New Mexico* (complement 1,533 officers and enlisted men) had a small outbreak beginning with 1 case in the last week of December, 1923. In the first week of January there were 3 cases; second week, 2; third week, 2; and fourth week, 2. In the third week of April 1 more case occurred which probably was not connected with the preceding cases. These cases with one exception occurred among members of a draft of recruits received from the naval training station at San Diego, Calif., in December, 1923.

The exception was a mess attendant 25 years of age who had been in the Navy since March, 1919.

The U. S. S. *Seattle* (complement 868 officers and enlisted men) had a small outbreak in March and April while at Culebra, West Indies. The source of infection was not determined. One case occurred in the third week of March; 8 in the fourth week; none the following week; and 2 in the second week of April—11 cases in all.

Ages: Nineteen years, 2; 20 years, 6; 21 years, 3.

Length of service: Less than one year, 5; less than two years, 5; two and one-half years, 1.

The U. S. S. *Denver* (complement 362 officers and enlisted men) reported 2 cases in the last week of January and 2 in the first week of February. The ship was at the navy yard, Boston, Mass. A single case occurred in the second week of July after the ship had returned to Boston from cruising in the Gulf of Mexico and along the coast of South America.

Ages: 19, 19, 19, 25, 25. Length of service: Less than one year, 2; less than 18 months, 2; two years, 1.

The U. S. S. *Chaumont* (transport, complement 704 officers and enlisted men) reported 1 case in the first week of August, 1 in the second week, and 1 in the third. Troops in transport furnished the focus of infection. The soldiers were mostly recruits. The *Chaumont* was making passage from Hampton Roads, Va., to Honolulu and the Orient by way of the Panama Canal. The disease was introduced by Army passengers, among whom there were 6 cases. Two of the three members of the crew who became infected, seamen, second class, were 18 years old, and one had just passed his nineteenth birthday. All three had been in the Navy less than six months.

Previously during the year cases had occurred on board the *Chaumont*, as follows: 7 cases in April, 2 in June, and 1 in July, all among civilian passengers, except one case in a soldier, without infecting any member of the crew. Four cases occurred among passengers in September, and two members of the crew, both seamen, second class, became infected. Both were about 18 years old and both had enlisted within six months.

Comparatively few cases occurred at naval stations in the United States. Sixty-seven cases were notified by the United States naval training station, Hampton Roads, Va., during the year; 19 cases occurred at the training station in San Diego, Calif.; and 12 at the Great Lakes Station.

The experience of 1924, a nonmeasles year, would indicate that when measles is discovered on board a ship of the Navy the chances are about two to one that only a single case will occur. The experience of 1923 is different, and the epidemiological distributions that year indicated, so far as the experience of one year can be relied upon, that the chances in a measles year are about even that one or more secondary cases will occur after a primary case representing a focus of infection on board ship.

In 1923, 78 ships of the Navy reported one or more cases of measles. Of these, 27 reported only one case during the entire year. However, the other 51 vessels did not all have outbreaks. For the purpose of this analysis the term "outbreak" is used in an exaggerated sense to account for even a few cases if spread of the disease actually occurred or seemed to occur on board. Including the vessels in which measles was freshly introduced from outside sources more than once during the year, there were in all among ships of the Navy 98 separate instances in which measles was introduced on board ship. The total number of these importations not followed by any spread—that is to say, where no secondary case occurred—was 47. In 36 instances, more or less spread extending beyond the limits of the exposure period associated with the primary case followed, and for the purpose of this analysis an outbreak is considered to have occurred because one or more cases developed in the third successive time period. The first time period is considered as the one in which the primary case or cases appeared. "Time period" may be defined as the number of days elapsing between the appearance of one case and the time when a new case can no longer be attributed to the preceding case. Where primary cases were followed by a secondary case in the next time period, with no further development, the incident is not regarded as an outbreak. It so happened that in ships which had cases limited to two successive time periods, two secondary cases developed in only one instance. In the others only a single secondary case developed.

The 36 outbreaks as defined are listed below. Commas are used to separate cases which occurred in successive time periods. Where a number of weeks intervened between cases the interval is stated to indicate that it is doubtful whether missed cases developed between recorded cases or whether a new importation of infection occurred, grafting more cases upon the existing outbreak or starting a new one. Epidemiological data are not complete enough to justify a decision in every case. Very likely in some instances the medical officer on board ship could not decide, especially when liberty was being granted nearly every day and drafts of new men were being received frequently.

However, that is not of great importance because the object is to show the worst that happened in every instance. Every doubtful case is considered as a part of the outbreak in question.

The following ships had altogether 36 outbreaks of measles in 1923, as indicated by the following figures:

U. S. S. *Arizona*—7, 10, 5, 4, 2, 0.
U. S. S. *Arkansas*—1, 6, 6, 4, 0.
U. S. S. *California*—4, 7, 2, 3, 1, 0. More than 20 maximum incubation periods intervened, followed by a fresh importation of infection, with an outbreak, as follows: 2, 1, 1, 1, 0.
U. S. S. *Delaware*—1, 1, 5, 7, 4, 1, 0.
U. S. S. *Huron*—1; five weeks; 1, 2, 0.
U. S. S. *Idaho*—7, 4, 4, 1, 0.
U. S. S. *Maryland*—1, 4, 1, 0. After a period of 20 weeks a second outbreak occurred—1, 3, 2, 8, 0.
U. S. S. *Mississippi*—16, 4, 1, 1, 2, 1, 0.
U. S. S. *Nevada*—1, 2; six weeks; 1, 1; five weeks; 7, 1, 6, 2, 3; four weeks; 1, 0.
U. S. S. *New Mexico*—5, 9, 5, 1, 0.
U. S. S. *New York*—1, 11, 5, 3, 0.
U. S. S. *North Dakota*—1; six weeks; 1, 2, 2, 5, 1, 1, 0.
U. S. S. *Oklahoma*—2, 5, 6, 6, 2, 1, 0.
U. S. S. *Pennsylvania*—1, 3, 5, 4, 1, 1, 1, 0.
U. S. S. *Pittsburgh*—5, 5, 1, 1, 0. Twenty-seven weeks elapsed before another outbreak—1, 1, 1, 0.
U. S. S. *Texas*—12, 3, 7, 0.
U. S. S. *Utah*—1, 2; six weeks; 1, 2, 2, 1, 0.
U. S. S. *Wyoming*—2, 5, 11; five weeks; 1, 1, 0. After an interval of nine weeks a second outbreak occurred—1, 4, 4, 0.
U. S. S. *Birmingham*—1, 2, 1, 2, 1, 0.
U. S. S. *Charleston*—2, 1, 1, 1, 0.
U. S. S. *Corry*—1; six weeks; 5, 1, 0.
U. S. S. *Farenholt*—1, 2, 1, 0.
U. S. S. *Hopkins*—1, 1, 1, 0.
U. S. S. *Rappahannock*—1, 2, 1, 0.
U. S. S. *Argonne*—3, 2, 2, 0.
U. S. S. *Camden*—2, 4, 7, 0.
U. S. S. *Canopus*—1, 5, 1, 2, 0.
U. S. S. *Potoka*—2, 1, 1, 0.
U. S. S. *Prometheus*—1, 2, 1, 0.
U. S. S. *Relief*—1, 1, 1, 2, 0.
U. S. S. *Rigel*—1, 2, 1, 0.
U. S. S. *Vestal*—3, 3, 1, 1, 0.

In view of the figures presented above, the experience with measles among forces afloat in 1923 may be expressed as follows, so far as the chance of spread from an introduced focus of infection is concerned:

Only the primary cases occurred in 48 per cent of the instances in which measles appeared on board ship. In 52 per cent of the importations one or more secondary cases occurred in the next succeeding time period. In 37 per cent one or more cases developed in the third successive time period. In 26 per cent one or more cases developed in the fourth time period. In 11 per cent one or more cases developed in the fifth time period. Cases appeared after the fifth successive time period in 7 per cent. In two of the outbreaks a single case occurred in the sixth successive time period and another in the seventh. With reference to the U. S. S. *Nevada*, information relating to fresh importations of infection is lacking, and the outbreak might be considered to have extended over more than 12 time periods, but during the 26 weeks covered there was one period of 6 weeks in which no case was detected and another similar period of 5 weeks. It is probable that measles was introduced repeatedly from outside

sources between March and September, the months beginning and ending the period of incidence, so there probably were three separate small and short outbreaks instead of continued residence of infection. Similar remarks might apply to certain other ships.

The following summary indicates the prevalence and distribution of cases in 1924, and it defines the contrast between the experience of that year and the previous year. Among 248 ships measles appeared in only 33 during the year. There were, in all, 37 importations of infection and in 26 no spread whatever occurred. The following vessels reported one or more cases, which were possibly or probably secondary cases:

U. S. S. *Colorado*—1, 2, 10, 7, 1, 0.
U. S. S. *Huron*—1, 4, 1, 1, 0.
U. S. S. *Idaho*—1, 1, 0.
U. S. S. *Nevada*—1, 1, 2, 0.
U. S. S. *New Mexico*—2, 2, 2, 2; ten weeks; 1, 0.
U. S. S. *Seattle*—1, 8, 2, 0.
U. S. S. *Henshaw*—1, 1, 0.
U. S. S. *Worden*—1, 1, 0.
U. S. S. *Canopus*—1, 1, 1, 1, 0.
U. S. S. *Denver*—2, 2, 0.
U. S. S. *Chaumont*—1, 1, 1, 2, 0.

Admissions with measles, entire Navy, in 1924, were distributed, by months, as follows:

	Admissions	Per cent		Admissions	Per cent
January	187	53.90	July	22	6.34
February	48	13.83	August	11	3.17
March	25	7.20	September	3	.86
April	16	4.61	October	0	0
May	16	4.61	November	1	.29
June	13	3.75	December	5	1.44

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	74	6.65	50–54	148	0	0
20–24	44,320	141	3.18	55–59	38	0	0
25–29	17,500	7	.40	60–64	16	0	0
30–34	8,528	4	.47	65–69	3	0	0
35–39	4,023	0	0	70–74	1	0	0
40–44	1,287	0	0				
45–49	448	0	0	Total	87,437	226	2.58

Measles statistics for previous years are shown in the following table:

Measles

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	308	3	4.52	4.41	0.97
1916	69,294	523	----------	7.55	----------	----------
1917	245,580	7,561	5	30.79	2.04	.07
1918	503,792	6,915	112	13.73	22.23	1.62
1919	298,772	1,078	18	3.61	6.02	1.67
1920	140,773	1,694	26	12.03	18.47	1.53
1921	148,861	745	15	5.00	1.01	2.01
1922	122,126	142	1	1.16	.82	.70
1923	116,565	1,438	24	12.34	20.59	1.67
1924	119,280	347	6	2.91	5.03	1.73

GERMAN MEASLES

German measles has practically no complications, causes no deaths, and does not tend to spread among naval personnel. The disease is, nevertheless, of some importance because of the difficulty that may be encountered in some cases in distinguishing it from scarlet fever and from measles.

There were 150 admissions recorded as with German measles in 1924, making the admission rate 1.26 per 1,000. The median rate for the preceding five years is 0.95.

There were 1,526 sick days, representing a daily average of less than 4 (3.5) men per 100,000 constantly under treatment. The average number of sick days for all admissions was 10 as compared with the corresponding median, 1919–1923, 11 days.

There were no deaths.

Admissions were reported by months, entire Navy, as follows:

	Admissions	Per cent		Admissions	Per cent
January	23	15.33	July	3	2.00
February	14	9.33	August	4	2.67
March	40	26.67	September	3	2.00
April	23	15.33	October	1	.67
May	22	14.67	November	0	0
June	17	11.33	December	0	0

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	38	3.42	50–54	148	0	0
20–24	44,320	92	2.08	55–59	38	0	0
25–29	17,500	6	.34	60–64	16	0	0
30–34	8,528	1	.12	56–69	3	0	0
35–39	4,023	0	0	70–74	1	0	0
40–44	1,287	0	0				
45–49	448	0	0	Total	87,437	137	1.57

German measles statistics for previous years are shown in the following table:

German measles

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Case fatality rate per 100
1915	68,075	100	0	1.47	0	0
1916	69,294	107	0	1.54	0	0
1917	245,580	4,066	0	16.56	0	0
1918	503,792	2,190	0	4.35	0	0
1919	298,774	133	0	.45	0	0
1920	140,773	120	0	.85	0	0
1921	148,861	420	0	2.82	0	0
1922	122,126	151	0	1.24	0	0
1923	116,565	111	0	.95	0	0
1924	119,280	150	0	1.26	0	0

SCARLET FEVER

Comparatively few cases of scarlet fever occur in the Navy. The death rate from measles is four or five times as great in years in which measles is prevalent and in other years the death rates are about the same.

Largely because of the relatively small percentage of adults, and indeed of adolescents over the age of 15 who are susceptible, scarlet fever does not tend to spread among groups of naval personnel under the conditions of good hygiene and sanitation ordinarily existing in the Navy, provided one essential preventive measure is carried out—namely, prompt detection of new cases and immediate isolation with careful concurrent disinfection from the time each new case is discovered. Under exceptional conditions segregation of contacts may be desirable. Quarantine of exposed groups is especially indicated at naval training stations and may be desirable in certain other organizations when dealing with groups composed largely of recruits. However, when quarantine measures have been applied and secondary cases have not developed, or the outbreak, if begun, has promptly terminated, it is not infrequently taken for granted that the segregation of men presumed to have been exposed was an important factor in preventing spread, whereas the probabilities are that no more cases would have occurred without quarantine, as indicated by the experience of many ships and stations from year to year when scarlet fever has been imported and secondary cases have not occurred although no restrictions were imposed on the movements of healthy persons known or presumed to have been in contact with the focus of infection. The explanation is, of course, that existing mass immunity, which further rapidly increases in an exposed population group, is the principal factor under all conditions in limiting the spread of the disease. Efficient medical service which will insure the prompt detection of new cases before there has been much opportunity for effective exposure of relatively susceptible persons during the most dangerous period—namely, during the progress of active infection—is a powerful aid to the natural biological reactions alluded to above.

When cases of scarlet fever are occurring there are almost always healthy carriers in exposed population groups. In the future, practical methods may be developed for the detection of carriers. Heretofore it has not been possible to recognize them, so epidemiological inferences are not obscured by any assumed effect of wholesale culturing for the detection and isolation of carriers, as in the case of diphtheria.

While it may be said that experience with the Dick test, designed to indicate whether the individual is immune or susceptible to scarlet fever, is not extensive enough yet to permit the establishment of fair standards with which to compare with certainty the result of the test in a given case, as vast numbers of observations with the Schick test in diphtheria have made possible, it may also be said that studies with the Dick test so far carried on in New York City, Chicago, and elsewhere seem to indicate about the same percentages of children and adolescents in the different age groups susceptible and immune to scarlet fever as to diphtheria. This is, of course, in agreement with the Navy's epidemiological experience with the two diseases. The

numbers of cases per 100,000 of both diseases in the Navy during the past 10 years have been as follows:

Year	Average complement	Scarlet fever	Diphtheria	Year	Average complement	Scarlet fever	Diphtheria
1915	68,075	90	56	1920	140,773	229	264
1916	69,294	131	69	1921	148,861	271	106
1917	245,580	268	85	1922	122,126	62	148
1918	503,792	241	361	1923	116,565	180	57
1919	298,772	242	278	1924	119,280	124	33

Recent studies, including the work of the Dicks in Chicago, appear to be leading to the accumulation of evidence that will definitely establish the identity of the causative agent of scarlet fever as a hemolytic streptococcus. A practical bacteriological method for separating this microorganism from other streptococci may make the ready detection of carriers possible, but experience with diphtheria would seem to suggest that such detection would be of comparatively little value in the Navy. As in the case of diphtheria, healthy carriers, while they may occasionally cause a susceptible person to become infected, probably enable many other persons to develop immunity. At present the indication is to advise conservatism and deter those who seem inclined to believe that the detection of hemolytic streptococci in a culture from the throat is sufficient evidence that the individual is a carrier, and that a search should therefore be made for carriers of hemolytic streptococci among healthy persons who may have been in contact with a case of scarlet fever, with the idea of imposing quarantine restrictions upon them or for the purpose of releasing from quarantine those definitely known to have been in contact with a case whose cultures may prove negative. Under some circumstances quarantine of contacts may be advisable, and, when indicated, quarantine should begin promptly with discovery of the focus of infection. The incubation period is so short that release can be given after a few days without bacteriological examination. Quarantine of contacts in the Navy is seldom necessary except at naval training stations under certain epidemic conditions when the infection is being introduced frequently by incoming recruits.

Even during the World War scarlet fever did not exhibit great epidemic tendencies, and the scarlet fever death rate was no higher in 1917 or 1918 than in other years. Except for one explosive outbreak of about 210 cases, resulting from contamination of food in the general mess by an infected messman who concealed the fact that he did not feel well, at the United States naval training station, Great Lakes, Ill., in 1917, no extensive epidemic occurred during the war. Experience since 1918 is discussed below.

In 1924 there were 148 admissions with scarlet fever reported. That these were all true cases can not be asserted. Many of the cases among young adults are mild and atypical and there must often be doubt throughout the clinical course in isolated cases whether the disease is really scarlet fever. In estimating prevalence during the past year the attention focused on diagnosis, as well as upon the use of recently developed curative sera, in numerous articles appearing in medical journals, must be borne in mind. One might expect a

number of cases to have been reported and discharged as scarlet fever which might not have been so regarded in previous years. This publicity may not have affected the admission rate, and the figures themselves do not carry that suggestion, for the admission rate based on 148 cases was only 124 per 100,000, compared with 229, the median rate of the preceding five years. Statistics for each of the last 10 years are presented in a table below.

In 1924 there were 5,490 sick days resulting from scarlet fever, the equivalent of 13 men per 100,000 constantly under treatment, compared with 25, the corresponding median figure for the preceding five years. The average number of sick days for all admissions was 37.09, compared with 37.87, the corresponding median.

Scarlet fever caused one death during the year. The patient was an enlisted man 26 years old who contracted the disease while a patient at the naval hospital, Mare Island, Calif. He was undergoing treatment for deviation of the nasal septum, and was probably exposed while on liberty from the hospital. The secondary cause of death was reported as acute dilatation of the heart. This case made the death rate 0.84 per 100,000.

In addition to the 148 admissions during the year there were 24 cases remaining from 1923, making a total of 172 treated in 1924. Complications occurred as follows:

Complication	Cases	Per cent	Complication	Cases	Per cent
Acute myocarditis	1	0.58	Chronic nephritis	1	0.58
Acute fibrinous pleurisy	1	.58	Acute otitis media	2	1.16
Suppurative pleurisy	1	.58	Chronic otitis media	1	.58
Acute nephritis	1	.58			

Of the 148 cases of scarlet fever which occurred during the year, 130 were among enlisted men of the Navy, 14 among enlisted men of the Marine Corps, 1 among midshipmen while away from the Naval Academy, and 3 among officers.

The 148 cases were distributed among organizations as follows:

Shore stations:	
United States naval air station, Hampton Roads, Va	6
United States naval air station, Anacostia, D. C	1
Receiving station, Portland, Oreg	1
United States naval station, Guantanamo Bay, Cuba	1
United States naval training station, Newport, R. I	20
Receiving ship, San Francisco, Calif	1
United States submarine base, New London, Conn	6
Navy yard, Mare Island, Calif	1
Navy yard, New York, N. Y	1
United States naval training station, Hampton Roads, Va	3
United States Naval Academy, Annapolis, Md	1
United States naval torpedo station, Newport, R. I	1
United States naval training station, Great Lakes, Ill	20
Marine barracks, Parris Island, S. C	2
Marine barracks, Quantico, Va	2
Marine Corps base, San Diego, Calif	3
Marine barracks, Puget Sound, Wash	1
Landing force, Scouting Fleet	1
Naval hospital, Annapolis, Md	1
Naval hospital, Chelsea, Mass	3
Naval hospital, Great Lakes, Ill	2
Naval hospital, Mare Island, Calif	3

Shore stations—Continued.	
Naval hospital, Newport, R. I.	2
Naval hospital, New York, N. Y.	8
Naval hospital, Norfolk, Va.	1
Naval hospital, Puget Sound, Wash.	1
Naval hospital, Washington, D. C.	1
Naval hospital, San Diego, Calif.	7
Naval hospital, Pearl Harbor, T. H.	1
Total	102
Ships:	
U. S. S. *Arkansas*	3
U. S. S. *Bridgeport*	1
U. S. S. *Idaho*	1
U. S. S. *Melville*	2
U. S. S. *Mississippi*	1
U. S. S. *Nevada*	1
U. S. S. *New Mexico*	14
U. S. S. *Rochester*	3
U. S. S. *Shawmut*	1
U. S. S. *Aroostook*	1
U. S. S. *Osborne*	1
U. S. S. *Stoddard*	1
U. S. S. *Paul Hamilton*	1
U. S. S. *Neches*	1
U. S. S. *William Jones*	1
U. S. S. *Maryland*	2
U. S. S. *Colorado*	5
U. S. S. *West Virginia*	2
U. S. S. *Mercy*	2
U. S. S. *Relief*	2
Total	46

So far as ships of the Navy are concerned, scarlet fever was introduced on board 20 ships during the year in 27 instances. In 21 of these 27 importations of the infection no spread occurred. In 20 there was only a single primary case, and in 1 instance 2 primary cases. In 3 instances 1 case developed after the primary case; in 2 instances 2 cases followed the primary case in successive time periods. Only 1 ship, the U. S. S. *New Mexico*, had any continued spread. One case of scarlet fever was detected on board that ship January 8. No more cases appeared until March 22, when 1 case, which proved to be the first of an outbreak, was discovered. Following this, 1 case developed in each succeeding exposure period until the eighth, when 2 cases developed, followed by 1 in the ninth, 1 in the tenth, and 1 in the eleventh, making in all 12 cases. Sixty-one days then elapsed, after which another case developed December 30, 1924. Secondary cases did not follow.

To summarize the experience of 1924 among forces afloat, the figures show that in 77 per cent of the instances in which scarlet fever was introduced on board ship the disease did not spread at all. In 11 per cent 1 secondary case occurred in the next successive time period. In 8 per cent 1 case developed in the second time period and 1 in the third—3 cases in all. In 1 instance, or 4 per cent, a small outbreak occurred and extended over 11 exposure periods, but spread was not sufficiently great to give an epidemic curve.

The combined experience of the preceding three years is of interest in this connection. During the years 1921 to 1923, inclusive, there were in all 74 separate importations of scarlet fever on board ships

of the Navy. It is a coincidence that in 77 per cent of these no spread occurred. During the three years only 9 outbreaks occurred, and the worst of these comprised 12 cases over 8 successive time periods, as follows: 2, 1, 4, 1, 1, 1, 1, 1, 0.

The other eight small outbreaks were as follows:

1, 1, 1, 0.
1, 1, 1, 0.
2, 1, 1, 0.
2, 1, 1, 0.
1, 1, 2, 1, 1, 0.
1, 1, 1, 2, 1, 0.
4, 1, 3, 2, 1, 0.
1, 1, 1, 2, 1, 1, 0.

Including the 4 in which no cases developed after the third exposure period, the 9 outbreaks represent 13 per cent of total importations. In 10 per cent, secondary cases occurred only in the exposure period associated with the primary case; a single secondary case in all but two instances, when two secondary cases occurred. This experience would seem to indicate that when a case of scarlet fever develops on board a ship of the Navy, without making allowance for size of the crew or other modifying conditions, and speaking in general terms, the chances are better than 3 to 1 that no spread will occur.

Scarlet-fever cases, entire Navy, were distributed by months, as follows:

	Admissions	Per cent		Admissions	Per cent
January	19	12.84	July	12	8.11
February	19	12.84	August	5	3.38
March	26	17.56	September	9	6.08
April	15	10.13	October	5	3.38
May	12	8.11	November	8	5.41
June	11	7.43	December	7	4.73

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	46	4.13	50–54	148	0	0
20–24	44,320	74	1.67	55–59	38	0	0
25–29	17,500	6	.34	60–64	16	0	0
30–34	8,528	3	.35	65–69	3	0	0
35–39	4,023	0	0	70–74	1	0	0
40–44	1,287	1	.78				
45–49	448	0	0	Total	87,437	130	1.49

Scarlet-fever statistics for previous years are shown in the following table:

Scarlet fever

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	61	----------	0.90	----------	----------
1916	69,294	91	----------	1.31	----------	----------
1917	245,580	658	5	2.68	2.04	0.76
1918	503,792	1,214	14	2.41	2.78	1.15
1919	298,772	722	11	2.42	3.68	1.52
1920	140,773	323	11	2.29	7.81	3.41
1921	148,861	403	7	2.71	4.70	1.74
1922	122,126	76	3	.62	2.46	3.95
1923	116,565	210	6	1.80	5.15	2.86
1924	119,280	148	1	1.24	.84	.67

DIPHTHERIA

Much that may be said from an epidemiological standpoint of scarlet fever as seen in the Navy holds for diphtheria. Or, rather, it would be more apt to state this proposition backwards, since the causative agent of diphtheria is known, the mechanisms of immunity involved in its biological reactions pretty well understood, and, from great numbers of observations regarding healthy carriers and application of Schick tests in large numbers to adults as well as children of different ages, more precise knowledge can be had of the epidemic tendencies of diphtheria, of the biological conditions or reactions tending to limit its spread, and of conditions which make for the occurrence of cases.

Carriers of morphologically typical diphtheria bacilli, and even carriers of bacilli virulent for guinea pigs may be and doubtless often are quite numerous at times among various groups of naval personnel when the conditions are such that their presence is not suspected or when, as often may be the case, their presence is suspected but a search for carriers is not indicated. If in such population groups there really were many susceptible persons sharp epidemics might be expected to occur. As a matter of fact outbreaks of diphtheria seldom do occur in the Navy. In some years a good many cases develop first and last at one or another of the naval training stations among recruits, but these for the most part result from repeated importation of infection from outside sources, with little spread on the station.

Very few cases have occurred in the Navy during the past two years, there being but 57 per 100,000 of personnel in 1923 and 33 in 1924. There were in all 39 cases in 1924. The median admission rate for the preceding five years is 148 per 100,000.

The admission rate like that for mumps, measles, and other infectious diseases, while depending largely upon prevailing rates of prevalence in civil communities, is affected somewhat by the rate of turnover among the enlisted personnel and the number of recruits inducted. If greater mass immunity did not exist against diphtheria and scarlet fever than against mumps and measles, with modes of transmission presumably the same, with the same opportunities for the transfer of infectious mouth and nose secretions, and with the potential power of carriers to convey the causative agents into groups far removed from any possible contact with clinical cases,

one would expect more cases of scarlet fever and diphtheria every year than of mumps and measles, but that is not the case.

The recorded cases are comparatively few, and there is a greater probability that cases will be recorded as diphtheria when in reality the clinical manifestations are the result of some other infection in the person of a carrier than that true cases of diphtheria will be missed.

In 1924, only 946 sick days were charged to diphtheria, representing 2 men per 100,000 constantly under treatment as compared with 5 which is the corresponding median figure for the years 1919–1923. The average number of sick days for all admissions was 24.26. The corresponding median is 28.71.

There were no deaths.

The 39 cases reported during the year were distributed as follows:

Shore stations:	
United States naval training station, Great Lakes, Ill	1
United States naval training station, Newport, R. I	1
Receiving barracks, Hampton Roads, Va	1
United States naval air station, Pensacola, Fla	3
(One case, April 16.)	
(Two cases, December 13.)	
Marine barracks, Quantico, Va	1
Headquarters, eighth naval district	1
Headquarters, ninth naval district	1
Navy recruiting station, Chicago, Ill	1
United States naval training station, San Diego, Calif	2
(One case, January 8.)	
(One case, January 15.)	
United States naval training station, Hampton Roads, Va	2
(One case, April 7.)	
(One case, June 23.)	
United States Naval Academy, Annapolis, Md	2
(One case, October 7.)	
(One case, October 16.)	
United States naval torpedo station, Newport, R. I	1
Marine barracks, Pearl Harbor, Hawaii	1
United States naval hospital, Mare Island, Calif	1
United States naval hospital, Newport, R. I	1
United States naval hospital, Norfolk, Va	2
(One case, March 3.)	
(One case, May 2.)	
Total	22
Ships:	
U. S. S. *Abarenda*	1
U. S. S. *Arkansas*	1
U. S. S. *Henderson*	1
U. S. S. *Melville*	1
U. S. S. *Pennsylvania*	2
(One case, January 3.)	
(One case, January 4.)	
U. S. S. *Pittsburgh*	1
U. S. S. *Rainbow*	1
U. S. S. *Penguin*	1
U. S. S. *Kidder*	1
U. S. S. *West Virginia*	3
(One case, March 5.)	
(One case, March 14.)	
(One case, March 15.)	
U. S. S. *Relief*	4
(One case, March 3.)	
(One case, March 6.)	
(One case, March 10.)	
(One case, March 11.)	

During the preceding three years only 25 ships reported diphtheria—8 in 1921, 6 in 1922, and 11 in 1923. No one of the vessels reported the disease in more than one of the years. There were in all 26 importations of the disease. No spread whatever occurred in 23 instances, or 88 per cent. On this basis the chances would appear to be nearly 8 to 1 when a case occurs on board ship that no secondary case will follow. No outbreak occurred. In two instances two cases developed (1, 1) after what may have been successive exposure periods. On the other hand, both patients in each instance may have been infected from an outside source. In one other instance three cases occurred (1, 1, 1) in successive weeks. Here again one or both cases following the first may not have been contracted from any source of infection on board ship.

Diphtheria cases, entire Navy, were distributed by months as follows:

	Admissions	Per cent		Admissions	Per cent
January	7	17.95	July	3	7.69
February	5	12.82	August	1	2.56
March	9	23.09	September	0	0
April	2	5.13	October	2	5.13
May	3	7.69	November	1	2.56
June	3	7.69	December	3	7.69

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	5	0.45	50–54	148	0	0
20–24	44,320	22	.50	55–59	38	0	0
25–29	17,500	5	.29	60–64	16	0	0
30–34	8,528	1	.12	65–69	3	0	0
35–39	4,023	1	.25	70–74	1	0	0
40–44	1,287	0	0				
45–49	448	0	0	Total	87,437	34	.39

Diphtheria statistics for previous years are shown in the following table:

Diphtheria

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	38	1	0.56	1.47	2.63
1916	69,294	48	1	.69	1.44	2.08
1917	245,580	209	3	.85	1.22	1.44
1918	503,792	1,818	48	3.61	9.53	2.64
1919	298,774	831	18	2.78	6.02	2.16
1920	140,773	372	20	2.64	14.20	5.37
1921	148,861	158	3	1.06	2.01	1.89
1922	122,126	59	1	1.48	.82	1.69
1923	116,565	66	0	.57	0	0
1924	119,280	39	0	.33	0	0

CHICKEN POX

This disease appears not to be highly communicable among adults. Attack rates for the different age groups in 1924, as in previous years, seem to indicate that susceptibility is not limited to the younger men, who indeed appear to be not more susceptible than men between 30 and 40 years of age.

Chicken pox is chiefly of interest because cases may be diagnosed as smallpox and thus recorded, making it appear that more cases of the latter have occurred among thoroughly vaccinated population groups than really was the case.

There were 136 admissions with chicken pox in 1924, making the admission rate 1.14 per 1,000. The median for the preceding five years is 0.91. There were 2,366 sick days, the equivalent of about 5 men constantly under treatment. The average number of sick days for all admissions was 17.40.

There were no deaths.

Admissions for the entire Navy were distributed by months as follows:

	Admissions	Per cent		Admissions	Per cent
January	25	18.38	July	8	5.88
February	8	5.88	August	5	3.68
March	15	11.03	September	4	2.94
April	20	14.71	October	5	3.68
May	19	13.97	November	4	2.94
June	10	7.35	December	13	9.56

Admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	14	1.26	50–54	148	0	0
20–24	44,320	62	1.40	55–59	8	0	0
25–29	17,500	27	1.54	60–64	3	0	0
30–34	8,528	7	.82	65–69	3	0	0
35–39	4,023	5	1.24	70–74	1	0	0
40–44	1,287	1	.78				
45–49	448	0	0	Total	87,437	116	1.33

SMALLPOX

There were only eight cases of smallpox reported in 1924. This number makes the admission rate 6.7 per 100,000. The median for the preceding five years is 11.

There was one death, making the death rate 0.84 per 100,000.

During the year the practice was begun of sending a questionnaire blank to each medical officer reporting a case of smallpox with the idea of securing the vaccination history together with evidence in support of the diagnosis or information indicating that the case possibly might not have been smallpox. Questionnaires have not yet been returned for three of the eight cases.

One of the patients was a recruit who enlisted in the Navy February 9, 1924. He arrived at the naval training station, Hampton Roads,

Va., February 16 and was admitted to the sick list with smallpox nine days later. He had a scar indicative of a primary take which he stated had resulted from vaccination in childhood. He was revaccinated on the station February 18 and the result was an accelerated reaction with maximum intensity on the fifth day. The clinical evidence advanced in support of the diagnosis can hardly be considered conclusive. Lesions were most numerous on the chest and abdomen and other covered parts of the body. Symptoms were mild. The case may well have been one of chicken pox.

Another of the eight patients appears to have had a primary take with cowpox virus a few years before entering the Navy, as indicated by a scar. His health record indicated that revaccination September 9, 1922, gave rise to an immunity reaction. He was admitted to the sick list May 25, 1924, as with smallpox. The skin eruption appeared first on the abdomen without definite prodromal symptoms and spread rapidly in the course of 24 hours. Lesions were most numerous on the chest and abdomen. The incubation period following possible exposure in Seattle, Wash., was quite definitely fixed as not less than 21 days. This probably was a case of chicken pox. In the vital statistics of the Navy it must perforce be recorded as smallpox.

The third case to be considered was smallpox. The disease was contracted in Canton, China, by a member of the crew of the U. S. S. *Sicard*. The case was moderately severe. The patient was admitted to the sick list January 1, 1924, and recovered. He remained under treatment 59 days. He had never been successfully vaccinated. His health record does not show that he was vaccinated at any time after he entered the Navy. He had no vaccination scar.

The fourth patient also contracted smallpox in Canton, China. He died. In the course of revaccinating the crew of the U. S. S. *Asheville* in the presence of an epidemic in the city, this man was vaccinated January 23, 1924. There was no immediate reaction. Two days later he developed symptoms which proved to be prodromal symptoms of smallpox. Characteristic clinical manifestations developed in due time, the eruption appearing on the fifth day after a period of high fever and marked prostration. The patient died on the eighth day with confluent smallpox. He had no scar indicative of previous successful vaccination with cowpox virus. His health record indicated that he had been vaccinated in the Navy, February 24, 1922, negative result, and again August 3, 1922, when the result was recorded as positive. However, only a faint scar was noticeable. He appeared to be having an accelerated reaction when the prodromal symptoms of smallpox developed, but this was too late to save him from a fatal attack.

The patient in the fifth case in which the details are known was exposed in Kingston, Jamaica, to the form of the disease known locally as alastrim. This man's health record contained no note of successful vaccination. He had no scar and he stated that he had been vaccinated four times in childhood without success. He was admitted to the sick list April 1, 1924, with smallpox. The case was mild and he had practically recovered by April 17. Vaccination, April 24, gave rise to a typical immunity reaction.

It is unfortunate that vaccination histories in the remaining three of the eight cases have not yet been obtained, but those discussed

indicate the probability that a certain number of cases of chicken pox have been erroneously recorded as smallpox not only during the current year but in previous years as well. The cases of true smallpox show that in spite of instructions and the most careful endeavors of the Bureau of Medicine and Surgery to impress upon medical officers the importance of repeatedly vaccinating at short intervals the comparatively few individuals who have not satisfactory scars indicative of a primary take obtained sometime in the past, a certain number of men who lack sufficient protection will be exposed and will contract the disease.

That only a small percentage of the personnel is unprotected is indicated by the very few cases that occur. With smallpox prevalent in the United States as well as in China, many opportunities for effective exposure undoubtedly occur.

With smallpox prevalent in domestic and foreign ports it is too much to expect that an occasional case will not develop among naval personnel, even if all persons are revaccinated at reasonable intervals, for the following reasons: A few individuals lose their immunity after successful vaccination with unusual rapidity. A small percentage of the personnel fail to react in any way to cowpox virus of average potency or strength considered desirable for general use. Some of these might react with a primary take or marked accelerated reaction if inoculated with a special virus of high potency, and if such a virus is not secured they may, if exposed, become infected with smallpox. The potency of the vaccine virus is an important consideration. A relatively weak virus has been shown in many instances to give rise to reactions characteristic of immunity in relatively nonimmune subjects who when vaccinated later with a virus of known potency have given accelerated takes of sufficient intensity to indicate that they would probably have contracted smallpox if exposed to virulent cases of the disease. It is not always possible to be sure that the vaccine which is being used has retained its potency. Cowpox virus deteriorates rapidly at temperatures above 32° F. Experimental exposure of a highly potent virus at room temperature for less than 24 hours has in several instances resulted in sufficient deterioration to render the virus incapable of producing accelerated reactions in subjects who were inoculated at the same time on the same and opposite arm with a drop of the same virus which had been kept refrigerated while the other portion was exposed to room temperature. Typical reactions indicating lack of immunity were obtained at each site of inoculation with the undeteriorated virus although immediate response to the portion which had stood overnight at 65° to 70° F. would ordinarily have passed as an indication of sufficient immunity to make infection with smallpox following effective exposure highly improbable.

One death in eight cases—probably six or less—makes the case fatality rate 12.5 per cent or greater. Cases in the Navy are, practically speaking, limited to the small number who lack protection for one or another of the reasons mentioned above or, as occasionally may happen, through error in recording by which the individual is not revaccinated at proper intervals. By and large, officers and enlisted men of the Navy are vaccinated so many times at comparatively short intervals that the experience not uncommon in civil life when smallpox is occurring of finding that some of those attacked

had been vaccinated many years before but not since, is not duplicated in the Navy. Persons successfully vaccinated many years before contracting the disease usually have sufficient protection to insure recovery, and such cases tend to keep the general case fatality rate low. In the Navy, in almost all cases, infection occurs only among those who have never been successfully vaccinated, and when such persons do contract the disease a higher percentage may be expected to die than among an equal number including partially protected persons who at some time in life have had a primary take.

With regard to age, of the 8 patients recorded as having smallpox in 1924, 4 belonged in the age group 20–24, 3 in the group 25–29, and 1 in the group 30–34 years. All were enlisted men of the Navy. The incidence by months was January, 4; February, 1; March, 1; April, 1; May, 1. The cases are few but the distribution is in accordance with the experience of previous years that most of the cases occur in the winter months.

It may be of interest to show the parts of the world in which fatal cases of smallpox have been contracted by naval personnel in recent years:

1919—Two deaths. In both cases the disease was contracted in April in Gibraltar on or about the same day.

1920—One death, February 28. Disease contracted in Vladivostock, Siberia.

1921—Three deaths. One patient was infected in Constantinople, Turkey, and died March 3. One contracted smallpox in Peking, China, and died March 20. One man was infected in Chungking, China, and died March 23.

1922—No deaths.

1923—No deaths.

Smallpox statistics for previous years are shown in the following table:

Smallpox

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	5	1	0.07	1.47	20.00
1916	69,294	4	1	.06	1.44	25.00
1917	245,580	10	1	.04	.41	10.00
1918	503,792	51	3	.10	.60	5.88
1919	298,774	30	2	.10	.67	6.67
1920	140,773	25	1	.17	.71	4.00
1921	148,861	77	3	.52	2.01	3.89
1922	122,126	14	0	.11	0	0
1923	116,565	8	0	.07	0	0
1924	119,280	8	1	.07	.84	12.50

WHOOPING COUGH

It is of interest in connection with the information that may be obtained from the Navy's experience regarding the epidemiology of various communicable diseases which are especially dangerous to children, to record each year the number of admissions with whooping cough. In 1922 there were 3 cases; in 1923, 4; and in 1924, 4 cases. There were no deaths. The average number of sick days per case was 29.75. The admission rate was 3 per 100,000. The median for the preceding five years is 2.

Apparently most boys have become immune before reaching the age of enlistment. Certainly opportunities for exposure must occur, as they do to measles and mumps, frequently enough to account for more than three or four cases.

CEREBROSPINAL FEVER

There were 15 admissions with acute meningococcus meningitis in 1924, making the admission rate 12.58 per 100,000. The median rate of the preceding five years is 7.

Two of the 15 cases were fatal, making the death rate 1.68 per 100,000. The median, 1919–1923, is 4.03 per 100,000. Two to 15 makes the case fatality rate 13.33 per cent. Permanent blindness from atrophy of the optic nerves resulted in one case and the patient was invalided from the service.

There were 938 sick days, equivalent to an average of 2.15 cases per 100,000 of personnel constantly under treatment. The corresponding median figure for the preceding five years is 1.5. The average number of sick days per case was 63 as compared with the corresponding median, 73.

The seasonal distribution was affected more by certain other epidemiological factors than by climatic and weather conditions. One case occurred at the naval training station, Newport, R. I., in February. One case developed at the naval training station, Hampton Roads, Va., in March. One occurred at the Naval Academy, Annapolis, Md., in March, and 5 in April. Two developed on board the U. S. S. *Texas* in July; 1 on board the U. S. S. *Wyoming* in September, 3 in October, and 1 in November.

When the case occurred at the naval training station, Newport, R. I., the disease was more or less prevalent among children in the city. Carriers were found at the training station and a number of carriers were under isolation at the naval hospital. The patient in question was transferred to the naval hospital with a cold, January 22. He developed symptoms of cerebrospinal fever February 3 after he had been up and about for four or five days. The diagnosis was confirmed by finding meningococci in the cerebrospinal fluid. The patient had been in the service one month and eight days. His age was 19 years 4 months. He had not been subjected to overcrowding or other insanitary condition, so far as known, and apparently not to any predisposing influence other than the effects of his recent cold and inoculations with triple typhoid vaccine.

There was no connection between the case at Newport and the one occurring the following month at the Hampton Roads station. In the latter case the medical officer of the training station expressed the opinion that Norfolk was the probable place of exposure. The patient was 19 years old and he had been in the service four months. The diagnosis was confirmed by demonstrating meningococci in the cerebrospinal fluid. There were no obvious predisposing influences.

The case which developed at the Naval Academy, Annapolis, Md., March 28, was in the person of a Filipino mess attendant, 23 years old, who had been in the service about six months. This was undoubtedly a case of cerebrospinal fever but no microorganisms were found in the cerebrospinal fluid. So far as known the patient had not been subjected to any insanitary condition, but there probably

was a certain amount of chilling involved periodically in going from the warm mess hall where he worked to his quarters on board one of the station ships. The weather was cold and disagreeable.

Five days later, April 2, another case occurred. This patient was also a Filipino mess attendant. He had been in the Navy nearly three years and was 22½ years old. The diagnosis was confirmed by finding Gram negative intracellular diplococci in the cerebrospinal fluid.

Six days later, on April 8, a third Filipino mess attendant was attacked and the diagnosis was confirmed by finding meningococci in the cerebrospinal fluid April 10. These three patients lived on board the U. S. S. *Cumberland.*

April 12 a negro mess attendant was attacked. He was quartered on board the U. S. S. *Reina Mercedes* but usually slept at home in the city of Annapolis. He worked in the ship's galley and so far as known he did not know any of the Filipino mess attendants who lived on board the *Cumberland* and had not been in contact with any of them. He developed a cold, was transferred to hospital, and two days later was found to have cerebrospinal fever with meningococci in the cerebrospinal fluid.

One week later, April 20, a midshipman developed the disease. He was 19 years and 3 months old and belonged to the fourth class. The diagnosis was confirmed by bacteriological examination of the cerebrospinal fluid at the hospital. April 22, a member of the third class was attacked. He was 18 years and 7 months old.

After that no more cases occurred at the academy. The two midshipmen occupied widely separated rooms and sat at tables in different parts of the mess hall. So far as could be learned there had been no contact between them and it appeared unlikely from seating arrangements in the mess hall that either had been exposed directly by any one of the three mess attendants. Both probably acquired the microorganisms from healthy carriers. It is probable that there were many carriers in the Naval Academy and also among residents of Annapolis at the time. One of the midshipmen was more or less debilitated at the time and the other had subjected himself to a certain degree of fatigue the day before he was taken sick by climbing to the top of the Washington Monument.

The U. S. S. *Texas* and the U. S. S. *Wyoming* took midshipmen on the summer cruise. They departed from Annapolis June 5. A case of cerebrospinal fever developed on board the *Texas* July 14. The ship was then at Antwerp, Belgium. The patient was a water tender, second class, 23 years old, who had been in the Navy five years. It is probable that there were carriers among the midshipmen. The ship was very much overcrowded and ventilation was defective, especially at certain times when all men were below decks. So far as known the patient had not been subjected to any other predisposing influences. When this case occurred all men were sleeping below decks and an order was in effect preventing men in dungarees from appearing on the upper deck. The order was at once rescinded. Men were encouraged to remain on deck and ventilation below decks was improved by opening hatches.

A second case developed the following day in the person of a midshipman belonging to the second class, or in other words the class in which one of the April cases had occurred at the Naval

Academy. He was 21 years old. He had not apparently been in contact with the water tender who developed meningitis the day before.

Both the *Texas* and the *Wyoming* took mess attendants from the academy as well as midshipmen, but no case occurred in the *Wyoming* while they were on board. A case appeared September 22. The patient was a seaman, second class, 24 years old, who had been in the Navy three years. He died at the naval hospital, Norfolk, Va., 13 days later. The diagnosis was confirmed by finding meningococci in the cerebrospinal fluid.

Another case occurred October 15. The patient was a Filipino mess attendant. He was 28 years old. He died about 21 hours after the first indication of infection—severe headache. The diagnosis was confirmed with the detection of meningococci in the cerebrospinal fluid at post-mortem examination.

So far as known the patient had not been subjected to any special predisposing influence, such as fatigue or overexposure. The ship was overcrowded and the weather was so cool that more men were sleeping below decks than had been the case during warm weather. Consequently ventilation below decks at night was worse than usual. In some compartments ventilation was defective under most weather conditions.

Another case developed October 22, seven days later. The patient was a seaman, second class, 21 years old. He had been in the Navy about two years.

A fourth case developed two days later on October 24. The patient was a seaman, first class, 26 years of age. The diagnosis was confirmed at the United States naval hospital, New York, N. Y., with the detection of meningococci in the cerebrospinal fluid. One more case occurred on board the *Wyoming*, November 3. The patient was a seaman, second class. He was 18 years old.

During the year only one case of cerebrospinal meningitis of other than meningococcus origin occurred in the Navy. In that case the primary cause of admission to the sick list was acute purulent appendicitis. Drainage was followed by rapid convalescence. The patient was up and about, apparently recovering nicely when a boil developed inside the right nostril 16 days after the operation. A diffuse cellulitis developed, spreading over the face. The patient died five days later with purulent staphylococcus meningitis and septic bronchopneumonia.

Since 1917 the attention of medical officers has been repeatedly directed to instructions which require that all cases of meningitis known or presumed to be caused by the meningococcus are to be reported under the title "cerebrospinal fever." The title "cerebrospinal meningitis" is intended for other forms of acute infectious meningitis and a statement of the causative agent is required when evidence relating to its identity can be obtained. But such instructions did not prevent confusion between the two terms, and the statistics for previous years indicate that a good many cases of meningococcus meningitis must have been charged, along with various other forms of infection, as cerebrospinal meningitis instead of cerebrospinal fever. This defect in statistical method made case fatality rates for pneumococcus, streptococcus, and other forms of menin-

gitis fictitiously low and at the same time it made it appear that there were fewer cases of cerebrospinal fever than really occurred. Practice was improved during the year under review by sending a questionnaire for the necessary epidemiological data upon receipt of the morbidity report in every case of meningitis reported under either title. The additional information thus obtained has made it possible not only to present correct figures, but also to trace connection between certain cases, and in the long run much information of epidemiological value will be secured.

The Navy's experience with cerebrospinal fever in previous years is that outbreaks, except under most unusual circumstances where definite insanitary conditions and other predisposing influences exist, are limited to a few cases apparently not related or at least not directly related to each other. While persons actually infected are potentially more of a menace to the health of others than healthy carriers, the character of the disease is such that few persons are likely to be exposed to the case after infection begins, and consequently, in sporadic cases and in the few that occur in most outbreaks, it is most likely that the patients were infected by healthy carriers. However, under the conditions of the naval service it is seldom practicable to search for carriers. Few cases occur among naval personnel even during periods of unusual prevalence in civil communities with which they are in contact, providing hygienic and sanitary conditions are satisfactory on the naval station or on board ship. A search for carriers and the isolation of those who happen to be detected will not prevent cases from developing when hygienic and sanitary conditions are bad. On the other hand, when carriers are numerous, isolation is usually out of the question and, at such times, the most painstaking efforts must fail to detect many of the carriers. When carriers are few practically no cases are occurring, and it is questionable whether the great amount of work that is required if a real search with reliable technique is to be carried out, entailing considerable interference with the work of the naval organization, will be justified by net returns in the way of prevention that can be expected from the isolation of carriers.

When several cases of cerebrospinal fever develop in an organization at or about the same time or single cases continue to appear from week to week a suspicion is justified that hygienic conditions are not what they should be. One naturally thinks of overcrowding, defective ventilation, rapidly changing personnel, fatigue, overexposure, etc. As a rule, when several cases of this disease occur, there will be many cases of other infectious diseases of the respiratory tract and not infrequently mumps, measles, and scarlet fever will also be more or less epidemic.

The most practical as well as the surest and quickest method of putting an end to an outbreak is to attend to housing and hygienic conditions.

The first of the following tables presents statistics for cerebrospinal fever from 1917 as reported from year to year. The second table shows the data as collected for other forms of acute meningitis. As noted above a certain number of cases of cerebrospinal fever must have been included:

Cerebrospinal fever

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1917	245,580	373	112	1.52	45.61	30.03
1918	503,792	587	205	1.28	40.69	34.92
1919	298,774	105	31	.35	10.38	29.52
1920	140,773	25	8	.18	5.68	32.00
1921	148,861	11	6	.07	4.03	54.54
1922	122,126	2	1	.02	.82	50.50
1923	116,565	3	0	.03	0	0
1924	119,280	15	2	.13	1.68	13.33

Cerebrospinal meningitis, all forms, exclusive of meningococcus meningitis

1917	245,580	152	52	0.62	21.16	34.21
1918	503,792	239	53	.47	10.52	22.18
1919	298,774	82	20	.29	6.69	24.39
1920	140,773	38	22	.27	15.63	57.89
1921	148,861	25	13	.17	8.73	52.00
1922	122,126	12	3	.10	2.46	15.00
1923	116,565	21	9	.18	7.21	42.86
1924	119,280	1	1	.01	.84	100.00

EPIDEMIC LETHARGIC ENCEPHALITIS

In 1924 there were 11 admissions under this title. There were no deaths. Sick days averaged 117 per admission. The admission rate, 9 per 100,000, was the same as the median for the preceding five years.

Admissions and deaths since 1920 have been as follows:

Year	Cases	Deaths	Year	Cases	Deaths
1921	13	2	1923	8	0
1922	11	1	1924	11	0

ACUTE ANTERIOR POLIOMYELITIS

There were three admissions in 1924. Two of the cases were fatal.

One of the patients who died was a marine, 22 years old. He had ascending paralysis of the right leg in the beginning and eventually both legs, the left arm, and right side of the face were affected. He was attached to the marine barracks, San Diego, Calif., and was probably exposed in the city or to carriers in the barracks. He died October 16.

December 4, a pharmacist's mate, third class, 22 years old, also attached to the marine barracks became ill and died in the naval hospital at San Diego, December 13, with the Medin type of polioencephalitis. The diagnosis was supported by laboratory examination of the cerebrospinal fluid, blood, and urine and by post mortem findings.

Acute poliomyelitis was epidemic in the county of San Diego when these men were attacked.

The third case was not related to the other two. The patient was an ensign attached to the U. S. S. *Florida*. He was taken sick

in Boston and was treated in the United States naval hospital, Chelsea, Mass., from August 28, 1924, to March 22, 1925. He has not yet fully recovered.

Acute anterior poliomyelitis has occurred in the Navy in recent years as follows:

Year	Admissions	Deaths	Year	Admissions	Deaths
1918	9	1	1922	0	0
1919	4	0	1923	2	1
1920	0	0	1924	3	2
1921	1	1			

TUBERCULOSIS

Tuberculosis is treated as a separate class in the United States Navy Nomenclature and Classification of Diseases and Injuries. Titles covering 11 different forms are provided. The relative numbers of admissions under the several titles in 1924 are indicated in the following table:

Tuberculosis (all forms), Class XI, 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days	Annual admission rate per 100,000
Tuberculosis, pulmonary, chronic, active	1	81.96	1	81.68	225
Tuberculosis, unclassified	2	11.62	2	14.33	32
Tuberculosis, pulmonary, chronic, arrested	3	3.67	3	3.13	10
Tuberculosis, pulmonary, active, pneumonic	4	2.14	4	.85	6
Tuberculosis, pulmonary, active, general, miliary	5	.61	5	.01	2
Tuberculosis, skin	6	0	6	0	0
Tuberculosis, general, miliary	7	0	7	0	0

In 1924 there were 327 admissions to the sick list of the Navy for tuberculosis of one form or another, making the admission rate 2.74 per 1,000 of total personnel. The rate for 1923, 2.85 per 1,000, was previously the lowest rate recorded since 1910. The median rate for the preceding five years is 4.04.

Tuberculosis caused 38,677 sick days, the equivalent of 88.8 cases in 100,000 constantly under treatment. The year before the noneffective rate was 99 per 100,000. The median for the preceding five years is 219. These figures of course depend largely upon policy regarding the length of time individuals with active tuberculosis are retained on the active list in the case of officers and in the service in the case of enlisted men. During the past three years the practice has been to discharge enlisted men patients from the Navy as soon as practicable after the diagnosis of active tuberculosis has been firmly established, subsequent treatment being given under the auspices of the United States Veterans' Bureau.

There were 20 deaths in 1924, 18 in 1923, and 27 in 1922. Mortality rates for tuberculosis would not mean very much because comparatively few patients with tuberculosis die while they are in the Navy, and it is not practicable to follow up the cases and keep track of all deaths that occur after discharge from the service.

In 1924, 17 officers of the Navy were retired because of tuberculosis, and 234 enlisted men of the Navy and 32 enlisted men of the Marine Corps were invalided from the service.

No great increase in the admission rate for tuberculosis occurred in the Navy either during or after the World War when influenza was pandemic. During the past three years admission rates have been much lower than they were before 1917. This is in accordance with general experience as indicated by tuberculosis death rates in the United States. The rate of turnover among enlisted men of the Navy and Marine Corps, who constitute the great bulk of personnel, is so great that the Navy can not be regarded as a fixed population group even for a period as short as five years. Lower admission rates in the Navy therefore are proably due in no small part to the improvement in the tuberculosis situation that has been taking place for several years in most parts of the United States. Certainly there is as much likelihood that an individual with active lesions will be discovered and placed on the sick list as in previous years, so that incomplete reporting need not be considered as a possible factor. Men in the Navy are under close medical supervision, and increasing attention has been paid in recent years to preventive measures directed not only against tuberculosis but against all communicable diseases of the respiratory type. Early detection of cases is one of the principal preventive measures, and one is perhaps justified in feeling that medical officers of the Navy are entitled to considerable credit for their efforts to diagnose tuberculosis early and remove the patients from further contact with other men under the living conditions that must exist. How much credit for the reuced rates is due medical officers on recruiting duty can not be determined. Care has always been exercised to reject tuberculous subjects in the recruiting offices. It may be that there have been fewer potential cases among applicants for enlistment in recent years.

However that may be, considering the widespread distribution of the disease in its various forms still existing in all walks of life, it may be said that tuberculosis admission rates in the Navy are very low.

It appears that very little spread of infection has taken place in the Navy, although it is not a simple matter to obtain conclusive evidence on this point, and the fact that no connection can be traced between recognized cases of active tuberculosis and other cases among naval personnel does not necessarily prove that such contact was not among the essential factors leading to the development of lesions. On the other hand, there is no reason to believe that spread of infection has occurred in any considerable number of cases. Many health officials believe that adults are seldom infected by other persons. If that view is correct and if it is true, as it probably is, that most adults have had tuberculous lesions some time in life, it must be expected that a certain number of individuals in the Navy, as in any large population group, will develop active lesions without exposure to fresh infection, so that a certain number of cases of tuberculosis must be recorded every year, no matter how much care is exercised to exclude from the service persons having active lesions and notwithstanding the enforcement of all practicable hygienic and sanitary measures.

Another phase of the question is, How often do living conditions and the character of work performed in the Navy serve in any special way to arouse latent infection? The admission rates as they stand are not high and with some allowance for individuals who would probably have had active lesions develop in any environment it would seem that very few cases can be attributed to life in the Navy. While some individuals in certain occupational groups may be subjected from time to time to conditions that might be regarded as predisposing influences, the personnel in general live under conditions that are usually regarded as suitable for the arrest of tuberculosis, including life in the open, suitable clothing, an abundance of nourishing food, and plenty of exercise with athletics and other wholesome forms of recreation. Certainly the greater part of the personnel is not subjected to predisposing influences by essential service conditions, but that does not necessarily mean that work and living conditions in the Navy were not responsible for the awakening of lesions in some cases. Length of service before admission to the sick list for tuberculosis is of interest in this connection as well as specific admission rates for the various occupational groups and admission rates by age groups.

The following table shows, for each of the 283 patients invalided from the service in 1924 by reason of tuberculosis, the length of service prior to the date of original admission to the sick list with the diagnosis "tuberculosis:"

Length of service from time of entering the Navy or Marine Corps to date of admission with tuberculosis

	Less than 1 year	Between 1-2 years	Between 2-3 years	Between 3-4 years	Between 4-5 years	Between 5-6 years	Between 6-7 years	Between 7-8 years	Between 8-9 years	Between 9-10 years	Between 10-11 years	Between 11-12 years	Between 12-13 years	Between 13-14 years	Between 14-15 years	Between 15-16 years	Between 16-17 years	Between 17-18 years	Between 18-19 years	Between 19-20 years	Between 20-21 years	Between 21-22 years	Between 22-23 years
Tuberculosis, pulmonary, acute pneumonic	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tuberculosis, pulmonary, chronic, active	37	50	23	27	36	13	15	18	10	4	3	2	6	2	0	1	0	1	0	0	1	0	1
Tuberculosis, pulmonary, chronic, arrested	2	2	---	2	2	---	---	1	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---
Tuberculosis of:																							
Glands—																							
Cervical	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Inguinal	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lymph	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Joint—																							
Ankle	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cuboid	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hip	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Knee	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
Sacro-iliac	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wrist	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Genito-urinary	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kidney	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Peritoneum	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radius	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Retroperitoneal	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lumbar vertebra	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Spine	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	43	59	24	31	40	17	15	20	11	4	4	2	7	2	0	1	0	1	0	0	1	0	1

NOTE.—One of the 18 patients having chronic pulmonary tuberculosis in the 7–8 year group was a deserter for three years. The one patient recorded as having tuberculosis of the spine, and who had been in the service less than one year, suffered a contusion of the lumbar region caused by a falling hatch cover, and this injury was regarded by his medical officer as predisposing to the tuberculous lesion.

This table does not suggest that life in the Navy predisposes to tuberculosis.

There were comparatively few cases in which the patients had had more than 10 years' service. In many cases tuberculosis is suspected and the patient is admitted to the sick list with diagnosis undetermined or carried under the diagnosis of chronic bronchitis to give him the benefit of any doubt that may exist until such time as the diagnosis is confirmed by laboratory findings or other evidence, so that in many instances the length of service before active tuberculosis is suspected, or detected one might say, is less than that indicated by the figures. In all cases many factors are involved besides living conditions and the character of work performed in the Navy. There is always the previous history of the individual to be considered, his habits, and influences to which he may have subjected himself quite apart from any predisposing influences actually connected with essential service conditions.

The following table gives admission rates in 1924 for tuberculosis (all forms), by age groups, for officers of the Navy and Marine Corps and for enlisted men of the Navy:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	17	1.53
20–24	1,215	1	0.82	44,320	139	3.14
25–29	1,925	4	2.08	17,500	67	3.83
30–34	1,939	0	0	8,528	32	3.75
35–39	1,782	7	3.93	4,023	12	2.98
40–44	1,178	0	0	1,287	1	.78
45–49	667	1	1.50	448	4	8.93
50–54	323	0	0	148	1	6.76
55–59	139	0	0	38	0	0
60–64	44	0	0	16	1	62.50
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	13	1.41	87,437	274	3.13

The admissions among officers are too few to permit any conclusion other than that few cases are detected at any age. The figures for enlisted men show that the admission rate was lowest for the youngest age group, 16 to 19, and that the rates were between 3 and 4 per 1,000 for the other groups up to the age of 40, very much like the experience of 1923. There are comparatively few enlisted men in the service older than 40, as indicated in the table.

The table following indicates the relative frequency with which tuberculosis was detected among the various occupational groups of the Navy and Marine Corps in 1924. For comparison, there is shown the weighted average number of admissions per 1,000 persons in each group per annum during the five-year period, 1919 to 1923, except for two groups for which figures for all of the five years are not available. These groups are very general. Often there is very little separation between members of different groups so far as questions relating to contact, exposure, and predisposing influences are concerned, and there is much overlapping from an occupational standpoint.

Tuberculosis (all forms), Class XI, admission rates by occupational groups, United States Navy and Marine Corps

Occupational group	Order of frequency	Specific rate per 1,000 persons in the group, 1924	Order of frequency	Weighted average 1919–1923
Prisoners	(1)	7.56	(3)	7.72
Hospital corpsmen	(2)	7.43	(1)	10.50
Culinary force	(3)	4.92	(4)	5.81
Clerical force	(4)	3.90	(7)	4.32
Engine-room force	(5)	3.88	(6)	4.85
Fireroom force	(6)	3.82	(8)	4.21
Electricians	(7)	3.31	(10)	3.75
Aviation artificers	(8)	3.17	(17)	[1] 2.11
Ordnance ratings	(9)	2.91	(11)	3.48
Seamen, other than apprentice seamen	(10)	2.21	(13)	3.10
Miscellaneous artificers	(11)	2.10	(14)	2.87
Marines	(12)	1.57	(9)	3.96
Midshipmen	(13)	1.43	(16)	2.12
Musicians	(14)	1.43	(15)	2.31
Officers, Navy and Marine Corps	(15)	1.41	(12)	3.21
Apprentice seamen	(16)	.90	(5)	5.32
Nurses (female)	(17)	0	(2)	[2] 9.92

[1] Weighted average for 2 years. [2] Weighted average for 4 years.

The experience over the period of five years is that hospital corpsmen head the list with the highest admission rate and that the Navy nurse corps stand second. The first thought that comes to mind is that nurses and hospital corpsmen are more exposed to infection than the members of other occupational groups. Such an explanation is in conflict with the idea that adults are seldom reinfected. Another consideration is that their work is of a more confining character than that of most of the groups. Whatever the explanation for the differences in admission rates, a factor that must be considered is that inactive tuberculosis is very common among all adults, and probably lesions not infrequently become active from time to time and again become quiescent without it being recognized that the individual has tuberculosis. Hospital corpsmen are directly under the eyes of medical officers and other hospital corpsmen at all times. Many of them are doing laboratory work. When a hospital corpsman falls under suspicion because of debility, loss of weight, continued cough or other symptom, he is likely to be investigated at once with the aid of the microscope and X rays. In other words, it is more likely that temporarily active cases will be detected and recorded before there has been time for them to quiet down. Similar considerations apply to women nurses. It may be noted in passing that actually the rates for these groups are not in themselves very high; about 10 per 1,000.

Back of the differences between these several specific admission rates, no one of which is very high, the possible effect of work involving confinement in offices or other shut-in compartments must be considered. Prisoners, for example, had the highest admission rate in 1924 and the third highest rate for the five-year period.

By way of a summarizing statement, it may be said that in point of numbers of the personnel affected tuberculosis has not at any time in recent years been the cause of any great amount of damage to the Navy. Admission rates, by months, show little seasonal variation.

The median monthly rates for the five-year period, 1919–1923, and rates for 1924, are as follows:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1919–1923	4.0	3.7	4.4	3.3	4.2	3.3	4.1	3.9	2.4	3.4	3.3	3.0
1924	2.9	2.7	2.3	3.6	1.4	2.2	2.0	3.9	2.0	2.3	3.7	2.8

Tuberculosis statistics, entire Navy, for previous years are shown in the following table:

Tuberculosis

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1913	65,926	325	30	4.92	45.50	9.23
1914	67,141	295	38	4.39	56.59	12.88
1915	68,075	253	36	3.71	52.90	14.23
1916	69,294	287	39	4.14	56.28	13.59
1917	245,580	796	61	3.24	24.83	7.66
1918	503,792	2,398	130	4.75	26.00	5.42
1919	298,774	1,409	172	4.72	57.57	12.21
1920	140,773	637	84	4.52	59.67	13.18
1921	148,861	602	77	4.04	51.72	12.79
1922	122,126	393	27	3.21	22.10	6.87
1923	116,565	332	18	2.85	15.44	5.42
1924	119,280	327	20	2.74	16.76	6.12

COMMUNICABLE DISEASES TRANSMISSIBLE BY INSECTS AND OTHER ARTHROPODS

Malaria and dengue are the only diseases in this class which cause any considerable numbers of admissions to the sick list from year to year. In 1924 there were admissions for only 4 of the 14 titles comprising the class. These were as follows:

Communicable diseases transmissible by insects and other arthropods (Class X), 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days	Annual admission rate per 100,000
Malaria	(1)	55.24	(1)	71.22	822
Dengue	(2)	43.52	(2)	27.57	648
Pappataci fever	(3)	.90	(4)	.41	13
Filariasis (elephantiasis filarial)	(4)	.34	(3)	.80	5

The class as a whole was responsible for 2.68 per cent of all admissions to the sick list and 1.47 per cent of all sick days.

MALARIA

A considerable reduction in the malaria admission rate was recorded for 1923 and a further decrease occurred in 1924. There were only 981 admissions, making the admission rate 8.22 per 1,000. The median rate of the preceding five years is 16.12. In every year

of the preceding decade there were more than 1,000 admissions More than twice as many cases occurred in 1918 and 1919 as in 1924 but the rates for those years were lower because the strength of the Navy was much greater and although actually more men were exposed to infection than in 1924 they represented but a small percentage of the total personnel. Those were the only two years in which the admission rate was lower than in 1924. The 1917 rate was a little higher—8.33.

In 1924 there were 13,808 sick days representing 31 men per 100,000 constantly on the sick list with malaria as compared with 59, the median figure for the preceding five years.

The average number of sick days for all admissions was 14.08 and the corresponding median number for the years 1919–1923 was 13.45.

Malaria caused 4 deaths in 1924, making the death rate 3.35 per 100,000. The median rate of the preceding five years is 2.84. Two of the fatal cases were contracted in Haiti. The patients were private marines. They died in Port au Prince with pernicious malaria of the cerebral type. A ship's cook, first class, attached to the United States submarine base, Coco Solo, Canal Zone, died in the Colon hospital with aestivo-autumnal infection, and a seaman, second class, attached to the U. S. S. *Huron*, died in Chefoo, China, with malaria, type not indicated.

Malaria admissions, entire Navy, were distributed among fleets and other organizations as follows:

	Admissions	Per cent
Entire Navy	981	100.00
Forces afloat	283	28.85
Battleship divisions:		
Battle Fleet	13	1.33
Scouting Fleet	18	1.83
Asiatic Fleet	59	6.01
Light cruiser division:		
Scouting Fleet	7	.71
Destroyer squadron:		
Battle Fleet	5	.51
Scouting Fleet	10	1.02
Asiatic Fleet	13	1.33
Miscellaneous vessels:		
Battle Fleet	14	1.43
Scouting Fleet	48	4.89
Asiatic Fleet	3	.31
Naval forces, Europe	1	.10
Special Service Squadron (based on Panama)	54	5.50
Naval transportation service	29	2.96
Ships on special duty (survey duty, ships on shakedown cruise, etc.)	9	.92
Forces ashore in United States	160	16.31
First naval district:		
Receiving ship, Boston, Mass	2	.20
Naval hospital, Newport, R. I	1	.10
Third naval district:		
Naval air station, Lakehurst, N. J	1	.10
Submarine base, New London, Conn	1	.10
Marine barracks, New York, N. Y	1	.10
Receiving ship, New York, N. Y	1	.10
Fourth naval district:		
Receiving station, Philadelphia	1	.10
Recruiting station, Philadelphia	1	.10
Fifth naval district:		
United States naval training station, Hampton Roads, Va	50	5.10
Dispensary, navy yard, Norfolk, Va	13	1.33
Marine barracks, Quantico, Va	9	.92
Receiving ship, Hampton Roads, Va	7	.71
Naval hospital, Norfolk, Va	7	.71

	Admissions	Per cent
Fifth naval district—Continued.		
United States Naval Academy, Annapolis, Md	6	0.61
Dispensary, navy yard, Washington, D. C	4	.41
Other stations	9	.92
Sixth naval district:		
Marine barracks, Parris Island, S. C	8	.82
Dispensary, navy yard, Charleston, S. C	5	.51
Receiving ship, Charleston, S. C	4	.41
Naval hospital, Charleston, S. C	1	.10
Seventh naval district	0	0
Eighth naval district:		
Naval air station, Pensacola, Fla	7	.71
Other stations	2	.20
Ninth naval district:		
United States naval training station, Great Lakes, Ill	1	.10
United States naval rifle team, Camp Perry, Ohio	1	.10
Eleventh naval district:		
United States naval training station, San Diego, Calif	10	1.02
Other stations	3	.31
Twelfth naval district:		
Navy yard, Mare Island, Calif	4	.41
Thirteenth naval district	0	0
Forces outside continental limits of United States	538	54.84
Naval operating base, Coco Solo, Canal Zone	67	6.83
Radio station, Los Banos, P. I	4	.41
Naval hospital, Canacao, P. I	2	.20
Haiti	349	35.59
Santo Domingo	73	7.44
Cuba	28	2.85
Miscellaneous	15	1.53

A few years ago a large proportion of all cases of malaria among Navy and Marine Corps personnel resulted from exposure either in Haiti or Santo Domingo, and the prevalence of the disease in that island was largely responsible for a high admission rate for the entire Navy each year from 1916. In 1921, 74 per cent of the cases which occurred in the Navy were among personnel stationed in Haiti or Santo Domingo; in 1922, 62 per cent; in 1923, 46 per cent; and in 1924, 43 per cent. The reductions in these percentages were due to gradual reductions in the strength of expeditionary forces maintained in both countries beginning in 1921. In 1922 conditions in both countries made it possible to withdraw marines from certain outlying districts where they were heavily exposed to infection and to concentrate them more and more in cities and towns or camp sites in and around which antimalarial measures could be more effectively applied. Admission rates among Marine Corps and Navy personnel in Haiti and Santo Domingo by years were as follows:

	Haiti			Santo Domingo		
	Average strength	Admissions	Annual admission rate per 1,000	Average strength	Admissions	Annual admission rate per 1,000
1921	2,105	1,967	934.4	2,674	651	243.5
1922	1,883	811	430.7	2,509	415	165.4
1923	1,721	387	224.9	2,165	119	55.0
1924	1,587	349	219.9	1,466	73	59.8

Several hundred marines were withdrawn from Santo Domingo in August, 1924, and after that the average strength was less than 200 until the remaining personnel was withdrawn in September.

In Haiti, following a marked decrease in the admission rate in 1922 and again in 1923, there was but little further reduction in 1924, and it is possible that the incidence now is about as low as can be expected under existing conditions. However, there is a comparatively small force of marines there now, so that the cases that occur do not represent so much damage to the Navy as a whole as in previous years.

It will be noted that more than 25 per cent of all admissions were reported by ships and that vessels comprising the Asiatic Fleet accounted for 6 per cent of the total. Some of the cases occurring in that fleet were probably contracted in the Philippine Islands by men stationed there and subsequently transferred to ships. In all fleets considerable numbers of admissions result from the lighting up of malaria acquired while serving ashore in a malarial district but not previously recorded.

Some cases result from infection acquired in ports where malaria is prevalent, either while the men are on liberty or on board ship when anchored within mosquito-flight distance. It is reasonable to suppose that the 54 cases reported by vessels of the special-service squadron which visit Central American ports where malaria is prevalent are largely accounted for by such visits, but in general the figures for the force afloat, in contrast with those for organizations ashore, do not mean very much, because of the frequency with which men are transferred to and from the fleets.

A malaria problem that would be difficult and expensive to solve, if funds were vailable for that purpose, continues to exist in the fifteenth naval district. The risk of infection so far as the Navy is concerned is greatest at Coco Solo, where the submarine base and naval air station are located adjacent to each other. In 1923, 8.6 per cent of all cases in the Navy and Marine Corps occurred among personnel stationed there, and in 1924, 6.8 per cent.

At naval stations within the continental limits of the United States, as shown by the table above, there were only 160 cases altogether, or 16 per cent of the total, and it is safe to presume that many of these resulted from exposure in Haiti, Santo Domingo, or in foreign ports visited by ships prior to transfer ashore.

The fifth naval district is the only one in which considerable numbers of cases occurred. During the course of the year 50 admissions were reported by the naval training station at Hampton Roads, Va. Some of these probably resulted from infection in Haiti. At the same time there is a local malaria problem that is being dealt with as effectively as funds and personnel will permit. In this connection it may be added that not infrequently a recruit from a State in which malaria is prevalent develops symptoms while under training, and with mosquitoes present within the station and in the area surrounding the naval operating base it is often impossible to decide whether he brought the disease with him from his home district or became infected after his arrival. Only nine admissions were reported during the year from the Marine barracks, Quantico, Va. In 1923 there were 48 cases. Much work is required there during the mosquito-breeding season to prevent malaria. The small number of cases which occurred in the yavy yard at Charleston, S. C., reflects credit upon the commandant and officers, who made increased efforts to prevent and control mosquito breeding.

In the case of small stations or stations to which only a few officers and men are attached very little money can be spent for the prevention and control of malaria, even though such stations are located where there is great danger of infection. In such cases especially, but often in larger stations as well, it is necessary to lay stress principally upon the thorough application of measures affecting the personnel, along with the less expensive sanitary measures. These include detection of carriers and treatment with quinine, careful screening of the sick, and prolonged supervision after apparent recovery to prevent relapses in so far as possible with the idea of preventing the transfer of infection to mosquitoes. Experience in the Navy is that nearly all relapses occur within six months from the date of original infection. Drainage operations and the construction of ditches of a permanent character are of course often worth the required expenditure of money when the health of large numbers of personnel is menaced, but such work usually can not be undertaken at small or outlying stations, where undoubtedly it would result in great reduction in the number of mosquitoes, because of the small number of personnel attached in proportion to the amount of land covered by the station. In other cases, where the average complement is considerable, the station is surrounded by terrain in which most of the breeding takes place within easy flight distance of the station and over which the Navy has no jurisdiction. In such instances, when State or local health authorities take the initiative or can be induced to undertake malaria-control measures in the environment of a naval station the Navy Department should be in a position to carry out all indicated work of a permanent character and all other measures necessary for full cooperation.

The seasonal distribution of cases of malaria at certain stations where enough cases occurred during the year to make the figures significant is of interest. The following table shows the monthly percentages of the total cases occurring during the year among groups of Navy and Marine Corps personnel at various stations. The Philippine Islands are not included, because the only cases reported during the year were two notified by the naval hospital at Canacao.

	Haiti	Santo Domingo	Coco Solo, Canal Zone	Marine barracks, Quantico, Va.	Training station, Hampton Roads, Va.
	Per cent	*Per cent*	*Per cent*	*Per cent*	*Per cent*
January	5.02	22.86	7.37	0	2.33
February	30.38	4.29	1.05	0	6.98
March	14.35	11.43	1.05	0	9.30
April	9.81	11.43	2.11	0	2.33
May	3.11	15.71	9.47	0	0
June	2.15	8.57	27.37	0	0
July	3.35	10.00	24.21	12.50	11.63
August	10.29	8.57	12.63	37.50	4.65
September	6.94	7.14	4.21	37.50	46.50
October	3.35	(1)	2.11	12.50	13.95
November	3.35	(1)	5.26	0	0
December	7.90	(1)	3.16	0	2.33

[1] None exposed.

Admissions for malaria, entire Navy, were reported by months in 1924 as follows:

	Admissions	Per cent		Admissions	Per cent
January	112	11.42	July	128	13.05
February	64	6.52	August	76	7.75
March	54	5.50	September	93	9.48
April	50	5.10	October	58	5.91
May	62	6.32	November	93	9.48
June	99	10.09	December	92	9.38

Frequency of relapses.—To determine the frequency with which relapses occurred in the cases of malaria treated in 1924, the morbidity report cards returned for admissions during that year were compared with the records of patients admitted with malaria from January 1 to July 31, 1925. Therefore, the subsequent history of the last patient admitted in 1924 is covered for seven months and, of course, for patients admitted earlier in the year correspondingly longer periods elapsed during which if relapses occurred they would be included in this study.

The records of 931 patients were available. Of these, 125, or 13.43 per cent, had at least one relapse prior to July 31, 1925, and 40 of the patients between that date and the date of original admission had become reinfected, so far as the medical officers studying the cases could determine. It is, of course, a difficult matter in some cases to decide whether a clinical attack is a relapse or whether it is caused by fresh infection. Twenty-seven of the patients, or 2.90 per cent, had two relapses; 7, or 0.75 per cent, had three; and 2, or 0.22 per cent, had four.

The following table shows the new cases of malaria as they occurred during the year, by months. The numbers of these in which 1, 2, 3, and 4 relapses, respectively, occurred up to July 31, 1925, is indicated and likewise the numbers subsequently reinfected during the period covered by the study.

1924	Admissions	Relapses				New admissions prior to July 31, 1925
		First	Second	Third	Fourth	
January	108	12	2	1	1	10
February	66	7	1	1	0	3
March	52	7	1	1	0	3
April	48	4	1	0	1	2
May	58	10	3	1	0	0
June	97	16	5	1	0	2
July	123	15	4	0	0	4
August	72	11	3	0	0	4
September	86	11	2	0	0	2
October	51	6	2	0	0	4
November	88	8	1	0	0	3
December	82	18	2	2	0	3
Total	931	125	27	7	2	40

A different arrangement of the data indicates the time elapsing between admission with the original attack and development of the various relapses. The first column in the following table indicates the month, or 30-day period, subsequent to original admission during which readmission on account of relapse occurred. For example, 13 of the 931 patients had a relapse within one month. Thirty-six had a first relapse during the second 30-day period after original

admission, and three had a second relapse during the same period. But the 3 who had second relapses in the second month were not necessarily 3 of the 36 who had first relapses in the same period; 1 or all 3 may have been among the 13 who had relapses within 30 days.

Time periods during which relapses occurred after original infection

Month	First relapse	Second relapse	Third relapse	Fourth relapse	New admissions
First	13				0
Second	36	3			0
Third	25	2	1		2
Fourth	11	2	1		5
Fifth	6	4			3
Sixth	8	3			[1] 3
Seventh	9				5
Eighth	8	7	2		5
Ninth	3	2			[2] 5
Tenth	2	2	2		3
Eleventh	3	1			1
Twelfth					[3] 4
Thirteenth		1	1		2
Fourteenth	1				0
Fifteenth					0
Sixteenth				1	1
Seventeenth					0
Eighteenth					1

[1] One of these three reinfected patients had had a relapse within one month after his original attack.
[2] Two of these five had had a single relapse within 30 days after their original attacks, and another had had a relapse during the second month.
[3] One of the four had had a first relapse which occurred within 30 days after the original infection and a second relapse in less than 3 months.

Admission rates for malaria by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Age group	Number in group	Admissions	Rate per 1,000
16–19	11,125	69	6.20	50–54	148	1	6.76
20–24	44,320	216	4.87	55–59	38	0	0
25–29	17,500	90	5.14	60–64	16	0	0
30–34	8,528	33	3.87	65–69	3	0	0
35–39	4,023	21	5.22	70–74	1	0	0
40–44	1,287	3	2.33				
45–49	448	2	4.46	Total	87,437	435	4.97

Malaria statistics for previous years are shown in the following table:

Malaria

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1915	68,075	1,205	3	17.70	4.41	0.25
1916	69,294	1,859	1	26.83	1.44	.05
1917	245,580	2,045	3	8.33	1.22	.15
1918	503,792	2,701	4	5.36	.79	.15
1919	298,774	2,581	3	8.64	1.00	.12
1920	140,773	3,253	4	23.11	2.84	.12
1921	148,861	3,523	9	23.67	6.05	.26
1922	122,126	1,969	4	16.12	3.20	.20
1923	116,565	1,107	1	9.60	86	.09
1924	119,280	981	4	8.22	3.35	.41

DENGUE

This disease continued to be more prevalent in 1924 than in most years during the past decade. There were 773 admissions, making the admission rate 6.48 per 1,000. The median for the preceding five years is 6.58. A marked increase in the prevalence of dengue in numerous places where naval personnel are exposed, especially in the West Indies and Southern States of the United States, began in 1921 and appears to be continuing. However, a considerable proportion of the admissions occurred in the Asiatic Fleet following exposure in the Philippine Islands.

There were 5,347 sick days, equivalent to 12 men per 100,000, constantly on the sick list with dengue. The median figure of the years, 1919–1923, is 11. The average number of sick days for all admissions was 6.9. The corresponding median is 6.5.

There was no death.

The general distribution of cases among fleets and other naval organizations was as follows:

	Admission	Per cent
Entire Navy	773	100.00
Forces afloat	259	33.51
Battleship division:		
Battle Fleet	0	0
Scouting Fleet	0	0
Asiatic Fleet	46	5.95
Light cruiser division:		
Scouting Fleet	5	.65
Destroyer squadron:		
Battle Fleet	0	0
Scouting Fleet	2	.26
Asiatic Fleet	34	4.40
Miscellaneous vessels:		
Battle Fleet	71	9.19
Scouting Fleet	3	.39
Asiatic Fleet	53	6.86
Naval forces, Europe	0	0
Special Service Squadron (based on Panama)	13	1.68
Naval transportation service	20	2.59
Ships on special duty (survey duty, ships on shakedown cruise, etc.)	12	1.55
Forces ashore in United States	70	9.06
Naval observation base, Key West, Fla	54	6.99
Naval hospital, Key West, Fla	11	1.42
Other stations	5	.65
Stations outside the continental limits of the United States	444	57.44
Cavite, P. I	59	7.63
Olongapo, P. I	30	3.88
Naval hospital, Canacao, P. I	11	1.42
Haiti	138	17.85
Santo Domingo	90	11.64
Cuba	79	10.22
Managua, Nicaragua	22	2.85
Miscellaneous	15	1.94

COMMUNICABLE DISEASES TRANSMISSIBLE BY INTESTINAL DISCHARGES

The titles in this class are limited to those of the six important communicable diseases shown in the following table, arranged in the order of frequency with which admissions were recorded in 1924:

Communicable diseases transmissible by intestinal discharges (Class IX), 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days	Annual admission rate per 1,000
Dysentery, bacillary	(1)	74.59	(1)	44.82	116
Dysentery, entamebic	(2)	21.08	(2)	42.30	33
Typhoid fever	(3)	2.70	(3)	9.53	4
Paratyphoid fever	(4)	1.62	(4)	3.34	3
Dysentery, balantidic	(5)	0	(5)	0	0
Cholera, Asiatic	(6)	0	(6)	0	0

BACILLARY DYSENTERY

There were 138 admissions for bacillary dysentery in 1924, making the admission rate 116 per 100,000, which is very much greater than in previous years. For example, the median admission rate of the preceding five years is 4 per 100,000. In 1923 there were 59 cases.

It is probable that in all or most years other cases occurred which, if the truth could be known, were really cases of bacillary dysentery, but where, for one reason or another, the diagnosis was not confirmed by bacteriological examination and the cases were reported as acute enteritis, gastroenteritis, or dysentery, unclassified.

One case was fatal, that of a seaman, second class, who died with the disease at Chefoo, China.

The 138 admissions were reported by fleets and other naval organizations as follows:

	Admissions	Per cent
Entire Navy	138	100.00
Forces afloat	15	10.87
Battleship division:		
Asiatic Fleet	1	.72
Destroyer squadron:		
Asiatic Fleet	3	2.17
Miscellaneous vessels:		
Asiatic Fleet	1	.72
Ships on special duty (survey duty, ships on shakedown cruises, etc.)	10	7.25
Forces ashore in United States	1	.72
Navy yard dispensary, Norfolk, Va	1	.72
Forces outside the continental limits of the United States	122	88.41
Naval hospital, Guam	39	28.26
Santo Domingo	70	50.72
Haiti	8	5.80
Other stations	5	3.62

AMEBIC DYSENTERY

There were 39 admissions during the year. The admission rate was 33 per 100,000. The median for the preceding five years is 26.

Although few cases occur each year, considerable loss of time is involved. In 1924 there were 2,001 sick days. This figure is equivalent to an average of 5.5 per 100,000 constantly on the sick list. The corresponding median figure for the preceding five years is 4.6.

The average number of sick days for the 39 admissions was 51 and the corresponding median for the years 1919–1923 is 55.

There were no deaths. During the preceding five years there were 3 deaths—1 in 1922 and 2 in 1923.

Cases were reported by different naval organizations as follows:

	Admissions	Per cent
Entire Navy	39	100.00
Forces afloat	18	46.15
Battleship division:		
Asiatic Fleet	6	15.38
Destroyer squadron:		
Asiatic Fleet	3	7.69
Miscellaneous vessels:		
Battle Fleet	2	5.13
Asiatic Fleet	1	2.56
Special Service Squadron (based on Panama)	2	5.13
Naval transportation service	3	7.69
Ships on special duty (survey duty, ships on shakedown cruises, etc.)	1	2.56
Forces ashore in United States	8	20.51
Naval training station, Newport, R. I	1	2.56
Naval hospital, New York, N. Y	1	2.56
Naval training station, Hampton Roads, Va	1	2.56
Navy yard, Norfolk, Va	1	2.56
Marine barracks, Quantico, Va	2	5.13
Naval hospital, San Diego, Calif	1	2.56
Fort MacArthur, Calif	1	2.56
Forces outside the continental limits of the United States	13	33.33
Olongapo, P. I	4	10.26
Naval hospital, Guam	5	12.82
Miscellaneous	4	10.26

TYPHOID FEVER AND PARATYPHOID INFECTIONS

There were only 5 admissions with typhoid fever in 1924—admission rate 4 per 100,000. Two cases of paratyphoid infection were reported—admission rate 1.7 per 100,000. The combined admission rate would therefore be 5.7 per 100,000. Of the rates for the preceding five years the median rate for typhoid fever is 9 and that for paratyphoid fever 4 per 100,000.

No death was charged under either title in 1924.

The first case of typhoid fever which occurred during the year was that of a radio man, third class, attached to the U. S. S. *S–34*. He was exposed about March 20, 1924, while on liberty in Trinidad, West Indies, where typhoid fever was said to be epidemic at the time. The clinical course was that of typical and moderately severe typhoid fever. The diagnosis was confirmed by recovering *B. typhosus* in a culture from the blood. The patient had received three inoculations of triple typhoid vaccine in October, 1922.

The second case was that of a seaman, second class, 18 years old, attached to the U. S. S. *Vega*, naval transportation service. He was exposed in San Francisco or Seattle, and was admitted to the sick list on board the *Vega*, June 13, and transferred to the U. S. S. *Relief*, where the diagnosis was subsequently made after a blood culture was found to contain a Gram negative motile bacillus having the cultural characteristics of *B. typhosus*. Acid was produced on mannite. Cultures from stools contained a similar microorganism, which did not produce acid in mannite culture. The diagnosis was

based on these findings, together with leucopenia, abdominal signs, and a temperature curve consistent with the diagnosis.

The patient had received three inoculations of typhoid vaccine just about six months before.

The third case of the year occurred in July. The patient, an apprentice seaman, had enlisted June 25 and reported at the United States naval training station, Newport, R. I., two days later. He stated that he had not felt well for about one week before he enlisted. He received a first inoculation of typhoid vaccine July 1 and a second July 8. He reported at the sick bay the day after his second inoculation, sick. The symptoms were continued fever, relatively slow pulse, stupor, and enlargement of the spleen. Blood cultures were sterile, but *B. typhosus* was isolated in pure culture from the urine and from the stools. There was continuous fever for 14 days, after which the temperature gradually declined to normal. There were no complications, and the patient was discharged to duty September 4.

The fourth case charged as typhoid fever may have been some other infection but probably was typhoid fever. The patient, a fireman, third class, attached to the U. S. S. *John D. Ford*, a destroyer, was taken sick at Chefoo, China, about September 29. He was transferred to the University Hospital, Nanking, China, where the diagnosis was made by a member of the staff, largely, it appears, on the basis of a positive Widal test. Cultures from the blood and stools were negative. The division medical officer who returned the questionnaire in this case remarked that in view of the fact that the only definite finding was a positive Widal test, he considered that the diagnosis had not been confirmed, inasmuch as the patient had been inoculated against typhoid fever only five months before, so that a positive Widal test meant nothing. A series of three inoculations of triple vaccine was completed April 29, 1924. The temperature curve in hospital was reported as typical, and general tenderness in the lower half of the abdomen was mentioned. The patient was treated in hospital three weeks, after which he returned to his ship from which two days later he was transferred to the U. S. S. *Black Hawk* for convalescence. The medical officer of that vessel wrote that it was impossible at that time to determine whether the patient had had typhoid fever or malaria. He was discharged to duty November 17.

The fifth case is the only one occurring in the Navy that could have been connected with any of the outbreaks which occurred in various cities of the United States resulting from contamination of oysters from certain beds in the late fall. The patient was a marine officer about 53 years old, attached to the marine barracks, Quantico, Va. He must have been effectively exposed by eating oysters or otherwise about December 1. He was admitted to the sick list December 17, and was later transferred to the United States naval hospital, Washington, D. C. The diagnosis was confirmed by isolating *B. typhosus* from feces. The clinical course was atypical but protracted. Convalescence was not established until February 23. He remained a carrier for about a month and a half. The patient had received a first course of three inoculations with a typhoid vaccine in 1911. A second course was completed in August, 1915;

a third course with triple vaccine was completed in August, 1918; and a fourth course, also of triple vaccine, was completed April 13, 1921.

A pharmacist's mate, second class, serving with the marine detachment at the American Legation, Managua, Nicaragua, was taken sick about the middle of October and was admitted with paratyphoid fever. He was about 27 years old and had been in the Navy three years and six months. He was thought to have been exposed in Managua about October 1. He had continued fever with abdominal distress but no diarrhea for a period of 30 days. Two blood cultures were taken but no growth was obtained. There were no confirmatory findings. Convalescence was established November 16. This case may well have been a case of *B. typhosus* infection and it may not have been either typhoid or paratyphoid fever. The patient had had a course of three inoculations of triple vaccine, May 24, May 31, and June 7, 1921; that is, about three years and six months before.

One other case was reported as a case of paratyphoid fever during the year. In that case likewise the diagnosis was not confirmed. The patient, a quartermaster, third class, attached to the U. S. S. *Tulsa*, a gunboat, was admitted to the sick list April 12. He was thought to have been infected in Puerto Mexico, Mexico, by drinking soft drinks composed of fruits, sirup, and water. The patient stated he had drunk one of these to see what it was like. He had fever, ascending gradually for one week, which remained steadily high during the second week, and then became remittent. Other symptoms were persistent headache and abdominal pain. The pulse rate was slow in relation to the elevation of temperature. There was marked leucopenia. There were no facilities for making cultures or performing agglutination tests on board ship and it was not possible to have tests made in any of the ports visited. The diagnosis, paratyphoid infection, was apparently made on a surmise that paratyphoid was more likely than typhoid fever to be contracted in Puerto Mexico. The clinical findings seem to have been entirely consistent with a mild or moderately severe case of typhoid fever.

These two cases reported as paratyphoid infection indicate how untrustworthy the figures for previous years are so far as differentiation between *B. typhosus* and paratyphoid infections are concerned. The practice now followed of securing by questionnaire all information that can be obtained about every case reported, at least makes it possible to present all available evidence. It would be a bad precedent for the bureau to record cases under different titles than those reported and that has not been done, but occasionally the medical officer who studied the case is disposed to reconsider the evidence. That was done in one case during the year. The patient, a chief petty officer, was on duty ashore in Shanghai, China. He was taken sick suddenly with abdominal pain and fever. He was admitted to the Shanghai General Hospital, where he was found to have a positive Widal reaction as he should have had inasmuch as he had recently had three inoculations of triple vaccine. He was booked at the hospital as having typhoid fever although he recovered entirely in 36 hours. For some reason, probably because the hospital record showed typhoid fever, a morbidity return was made to the Bureau of

Medicine and Surgery under that title. When the questionnaire was received the medical officer who answered it certified that the case was not typhoid fever. It is impossible to say how many cases that were not typhoid fever were so recorded in previous years before steps were taken by means of a questionnaire to verify the diagnosis in every instance for statistical record. And there is of course the other side of the question, of how many mild cases have not been recognized; but that is not likely to happen very often with the opportunity for close observation of all patients in the Navy except in cases of such brief duration that the diagnosis would be open to question under any circumstances. Inoculated persons and those who have lived in a district where typhoid fever is common may upon effective exposure have a slight febrile reaction and then quickly overcome the infection. As in the case of diphtheria there is no sharp dividing line between cases in which the individual carries the bacilli for a time without any manifestitations of infection and cases which represent definite clinical attacks.

Chart No. 2 shows admission rates per 1,000 of personnel in the Navy by years for all cases of typhoid fever as reported, with the

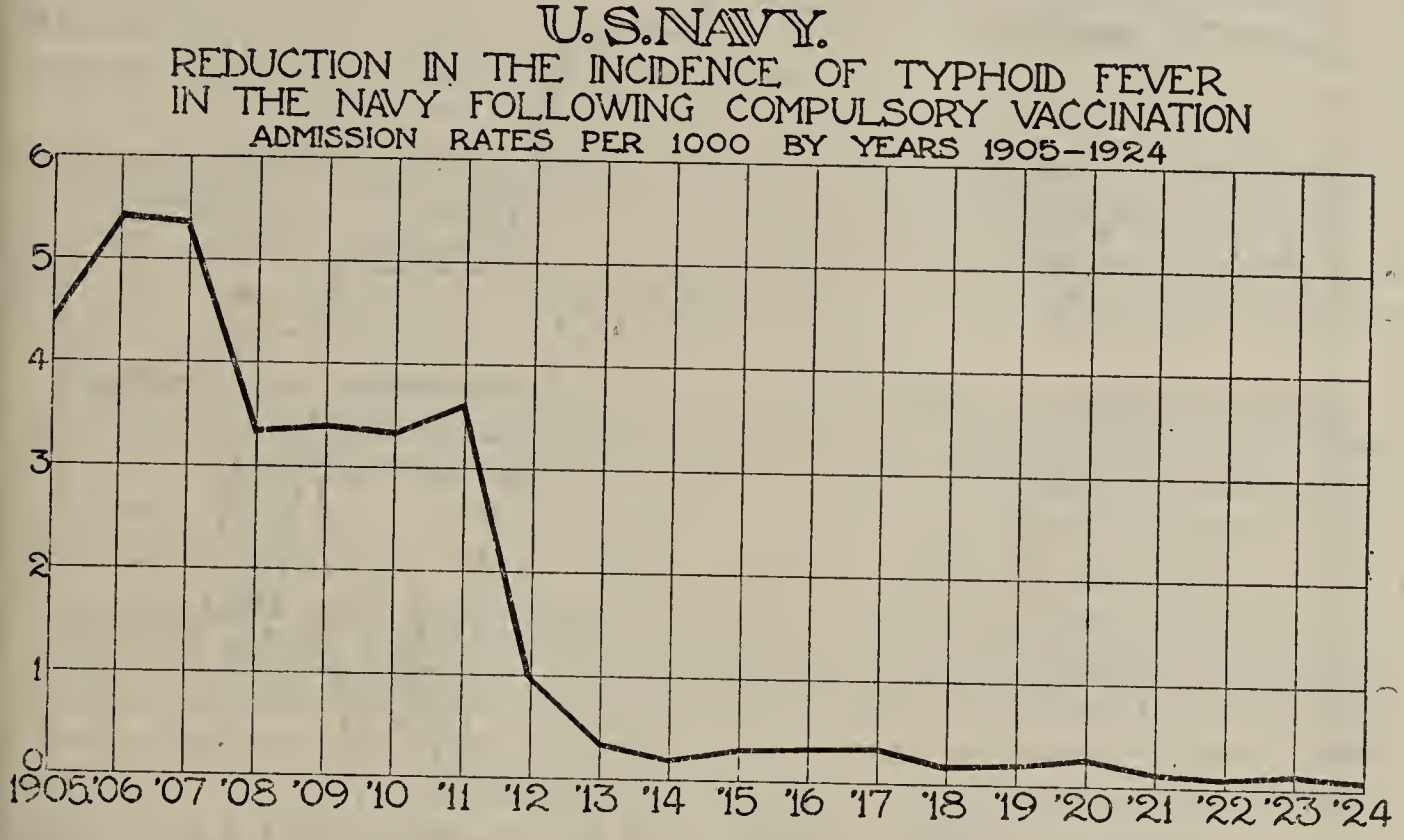

CHART 2

cases reported as paratyphoid fever included. With reference to protection as afforded by inoculation of the personnel with typhoid vaccine it should be noted that vaccination of all persons in the Navy under 45 years of age was ordered December 1, 1912. Vaccination in accordance with this order was probably not completed for several months, and altogether the personnel was probably not so completely vaccinated the first year as in later years. On the other hand, a large majority was promptly inoculated in January, 1913. Indeed, a great many officers and enlisted men, especially those afloat, received three inoculations of typhoid vaccine early in 1912 when, although not absolutely required by Navy Department order, vaccination was strongly recommended, and, as a rule. enlisted men as well as officers gladly submitted to inoculation when the probable value of the vaccine was explained to them.

Vaccine prepared at the United States Army Medical School has been used almost exclusively in the Navy. In 1917, when strains of paratyphoid A and paratyphoid B bacilli were added to the Army vaccine, the Navy began to use the triple in place of plain *B. typhosus* vaccine. The triple vaccine was first issued to the naval service during the summer of 1917.

November 5, 1924, the issue of triple vaccine was discontinued. Since then a vaccine prepared separately in the manufacturing laboratory of the Army Medical School, containing approximately 1,000,000,000 typhoid bacilli to the cubic centimeter, has been furnished. Local and general reactions of considerable severity were occurring with such frequency after inoculation with triple vaccine as to involve quite a large amount of disability in addition to that expressed by admissions to the sick list and recorded sick days. There was danger also that dissemination of the knowledge among

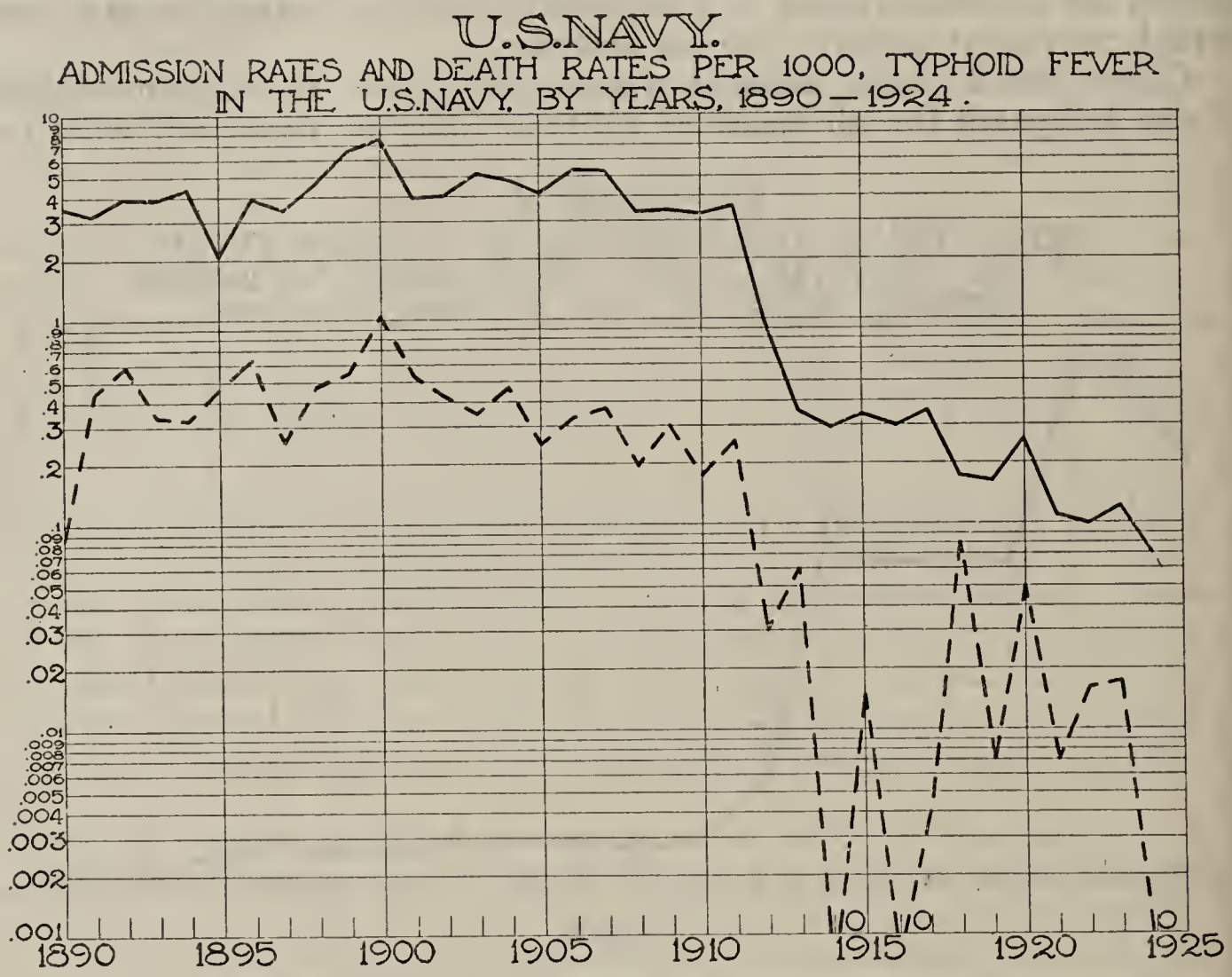

CHART 3

officers and enlisted men that very severe reactions not infrequently occurred during the course of second and third series of inoculations, would add to the difficulty of reinoculating and thus interfere with efforts to obtain the greatest degree of mass immunity against typhoid fever that might be expected from repeated courses of inoculations with *B. typhosus* vaccine. Chart No. 3 shows correlation between admission rates and death rates from typhoid fever, including paratyphoid infections, by years.

Study of the vital statistics of the Navy, as well as general epidemiological considerations, showed clearly that very little damage to the health of the Navy had been caused by paratyphoid infection before paratyphoid bacilli were added to the vaccine, and many considerations led to the belief that the damage to be expected from these infections without antiparatyphoid inoculations would be less

than the aggregate disability resulting from the inoculations. The situation in time of war may call for the use of paratyphoid vaccine. Certain other points were of course considered before the Surgeon General of the Navy made his decision to revert to plain typhoid vaccine. These included the question of how much protection might be expected from a single strain of paratyphoid A and a single strain of paratyphoid B bacilli against the many strains of microorganisms which appear to belong to these groups and the lack of definite knowledge that any one strain may cause a typhoid feverlike infection to the general exclusion of others. Another question relates to the degree and duration of immunity conferred against bacilli of the same strain by inoculation with killed cultures.

From the evidence available the conclusion seems to be justified that but little more than 1 per cent of the infections may be expected in general to be caused by other than the typhoid bacillus itself. In cases where the bacilli recovered from the blood, stools, or urine can not be typed by agglutination reactions carried out with reliable technique and sera of undoubted specificity, it is a more or less common practice for clinicians to look upon mild and atypical cases as paratyphoid infection. Doubtless, cases of typhoid fever have not infrequently been recorded as paratyphoid infection in statistical returns without careful differentiation.

In the future as well as for the year 1924 cases reported as paratyphoid infection in the Navy will not be recorded as such without an explanation of the evidence or lack of evidence concerning the identity of the paratyphoid bacillus reported as the causative agent. If experience continues in accordance with that of 1924 few undoubted cases of paratyphoid fever will be recorded.

Shortly after discontinuing the use of triple vaccine, medical officers were instructed to report the numbers of inoculations given and the numbers of severe reactions following, in all monthly and annual sanitary reports, in order that the statistical record might be complete and that data might be available for comparison in case it becomes necessary or desirable again to include paratyphoid bacilli in the vaccine. Figures for inoculations given during the past nine months are available at this time and they are presented in the following table. The total number of complete courses of three inoculations is 11,102. In addition, there were some incomplete courses, making the total number of inoculations 35,187. Severe reactions have been recorded as moderately severe when, although it was not necessary to admit the individual to the sick list, the medical officer considered that the symptoms, either local or general, were of sufficient intensity to make the term applicable. The figures are as follows:

	First course			Total, first course	Second course			Total, second course	Grand total
	First inoculations	Second inoculations	Third inoculations		First inoculations	Second inoculations	Third inoculations		
Number administered	8,911	8,910	9,561	27,382	2,851	2,611	2,343	7,805	35,187
Moderately severe reactions	224	212	130	566	141	37	20	198	764
Per cent	2.51	2.38	1.35	2.07	4.95	1.42	0.85	2.54	2.17
Reactions requiring admissions to sick list	124	84	48	256	11	8	3	22	278
Per cent	1.39	0.94	0.50	0.93	0.39	0.31	0.13	0.28	0.79
Annual admission rate per 100,000									310

Only two complete courses of inoculations are now required, the first as soon as practicable after the individual enters the service, and the second four years later.

Typhoid fever statistics for previous years are shown in the following table:

Typhoid fever: Admission rates per 1,000, death rates per 100,000, and indicated case fatality rates per 100, by years, 1907 to 1924, typhoid fever (including paratyphoid fever), entire Navy

Year	Average strength, Navy and Marine Corps	Admissions	Deaths	Admission rate per 1,000	Death rate per 100,000	Indicated case fatality rate per 100
1907	46,336	249	17	5.37	36.69	6.80
1908	52,913	176	10	3.32	18.85	5.60
1909	57,172	189	17	3.35	29.73	8.90
1910	58,691	193	10	3.30	17.14	5.10
1911	61,399	222	15	3.61	24.43	6.70
1912	61,897	57	2	.92	3.23	3.50
1913	65,926	23	4	.35	6.06	18.10
1914	67,141	20	0	.29	.00	0
1915	68,075	23	1	.33	1.45	5.50
1916	69,294	21	0	.30	.00	0
1917	245,580	86	1	.35	.40	1.50
1918	503,792	83	9	.17	1.78	10.84
1919	298,774	49	2	.16	.67	4.08
1920	140,773	35	7	.25	4.97	20.00
1921	148,861	16	1	.11	.67	6.25
1922	122,126	12	2	.10	1.64	16.66
1923	116,565	14	2	.12	1.72	14.28
1924	119,280	7	0	.06	0	0

DISEASES CAUSED BY FUNGI AND CERTAIN ANIMAL PARASITES

This class, which embraces 42 titles, including those covering infections and infestations by intestinal parasites as well as mycosis and animal parasites of the skin, as usual caused little disability of sufficient degree to require admission to the sick list. The class as a whole caused only 1.61 per cent of all admissions and 1.14 per cent of total sick days. The admission rate for the class was 8.99 per 1,000 as compared with 12.84, the median rate for the preceding five years.

Mycosis, practically all admissions for which are every year reported by medical officers, correctly or incorrectly, as the case may be, under the specific title "trichophytosis," did not even stand first in the class, and yet these infections are exceedingly common, especially epidermophyton infections. However, admission to the sick list is required in exceptional cases only, hence the figures do not indicate true relationships. Scabies, because of a recognized need for isolation and because admission to the sick list is usually necessary for proper treatment, heads the list.

No death was caused during the year by any disease or condition in this class and no one was invalided from the service under any of the titles included in the class.

The titles under which most of the admissions in 1924 were recorded are shown in the following table in the order of frequency. These accounted for 98 per cent of the class admissions:

Diseases caused by fungi and certain animal parasites (Class XXII), 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days	Annual admission rate per 100,000
Scabies	(1)	58.12	(1)	53.50	522
Trichophytosis	(2)	16.88	(2)	24.88	152
Hookworm disease	(3)	12.13	(3)	8.87	109
Teniasis	(4)	4.66	(5)	2.66	42
Ascariasis	(5)	3.45	(4)	3.90	31
Pediculosis	(6)	2.24	(8)	0.70	20
Spirochetosis, mouth	(7)	0.47	(7)	1.00	4

HOOKWORM DISEASE

Most of the admissions for hookworm disease were recorded at the United States naval training station, Hampton Roads, Va., which receives a large proportion of the recruits who come from districts where the infection is common. Few admissions are made except for recruits.

In 1924 there were altogether 130 admissions in the Navy and Marine Corps, or 109 per 100,000. In some instances treatment is given without admission to the sick list and in others the patient is given appropriate treatment while on the sick list with some other condition. There were no deaths.

The 130 admissions involved 1,333 sick days, an average of 10.23 per admission. This high average is doubtless due to the fact that the hookworm subjects required more or less prolonged treatment to improve their physical condition or to determine ultimate fitness for the service.

At the United States naval training station, Hampton Roads, Va., the stools of 2,949 recruits who came from States where hookworm disease is likely to exist were examined during the year. The following table shows the results of laboratory examinations:

State	Recruits	Feces positive for hookworm	Per cent positive	State	Recruits	Feces positive for hookworm	Per cent positive
Alabama	292	111	38.0	Virginia	237	15	6.3
Florida	290	107	36.9	Missouri	21	1	4.8
Georgia	445	124	27.9	District of Columbia	75	2	2.7
Oklahoma	4	1	25.0	Maryland	235	3	1.3
North Carolina	448	106	23.7	Louisiana	8	1	12.5
Mississippi	50	11	22.0	Kentucky	170	17	10.0
South Carolina	206	48	23.3	Arizona	2	0	0
Arkansas	116	11	9.5				
Tennessee	186	16	8.6				
West Virginia	150	11	7.3	Total	2,949	586	19.87
Texas	14	1	7.1				

ASCARIASIS

There were 37 admissions and 586 sick days.

TRICHOPHYTOSIS

Although the more general term, mycosis, is included among the titles in this class, practically all admissions to the sick list for infections caused by the higher fungi are notified under the title, Trichophytosis, probably, in most instances, incorrectly, because in many cases the site of infection is the groin or axilla, or the mycotic infection is of the hands or feet. Many of the cases are doubtless epidermophyton infection and some are possibly due to microsporon.

Epidermophytosis is far more common than trichophytosis and may be distinguished from the latter by the fact that epidermophyton does not grow on the hair or in the shaft of the hair. So called dhobie itch, crutch itch, and the intertrigoes are caused in most instances by epidermophyton.

These infections of the skin are exceedingly common and in many instances cause much discomfort, but admission to the sick list is required only occasionally. Lesions on the soles of the feet in hot weather not infrequently cause a great deal of disability and admission to the sick list may be necessary for proper treatment.

In 1924 there were 181 admissions, or 181 per 100,000, and 3,737 sick days, making an average of 20.65 sick days per admission.

THE VENEREAL DISEASES

Gonorrhea, syphilis, and chancroidal infections held their leading positions among all diseases with respect to numbers of sick days as well as admissions to the sick list. In 1923 all three were among the first six leading diseases; in 1924, they were included in the first five.

Gonorrhea led all diseases, not only in the numbers of cases reported but also in the number of sick days involved. Interference with service work while men are disabled by gonorrhea is only partly represented by the recorded sick days. Under existing instructions, cases of gonorrhea without sufficient disability to require admission on that account must be admitted and discharged the same day without sick days in the interests of complete reporting. In 1924, approximately 61 per cent of the cases were so admitted for record, and therefore less than 40 per cent of the cases were responsible for the sick days which put gonorrhea above all other diseases. Gonorrhea causes much partial disability, with the result that many men are far from being able to perform their duties fully or efficiently during the active stage of the disease, even though they may not be on the sick list. In many cases other men must perforce attend to so much of their duties as involves heavy work.

The second disease on the list with respect to admissions was acute tonsillitis, but syphilis stood second according to numbers of recorded sick days. Chancroid followed tonsillitis in point of numbers of cases and stood fifth on the basis of sick days, there being about 5,000 more sick days for tonsillitis. Appendicitis, while ranking tenth in number of cases, had the third greatest number of sick days. Most patients, while taking treatment for syphilis over a

long period of months and years, spend comparatively little time on the sick list, so the sick days for this disease like those for gonorrhea represent but a part of the actual disability.

Little more need be said regarding damage except to mention the gravity of syphilis in many cases. This point has been fully covered in previous reports and will be mentioned again later.

I can but earnestly renew my recommendation of last year that all means consistent with high morale and naval efficiency be used to prevent men of the Navy from becoming infected with venereal disease, and that the venereal disease problem be given careful consideration by the Navy Department, with a view to securing the best results in the matter of prevention that are possible with such measures as can be applied throughout the service.

If reduction in the numbers of men infected from year to year is to be secured, it must be realized that measures which can be applied by the Medical Department are not alone sufficient. In addition to treatment of infected men, educational endeavors, and medical prophylaxis, certain disciplinary measures are required along with the closest possible correlation between recreational measures and practical means for promoting acquaintance between men of the Navy and respectable citizens in liberty ports and communities near naval stations. Commanding officers must realize the importance of keeping heads of departments and division officers on the alert to keep exposure rates as low as possible by cultivating a public opinion among the crew that will in general condemn flagrant social misconduct. The amount of foul and obscene language heard about decks on board a ship is an index of the prevailing state of public opinion on board that ship, and any general tendency to use such language should be broken up promptly by the ship's officers. The better element among the crew should be encouraged to assist in keeping the ship clean, and men of bad character should be detected as promptly as possible and suppressed or eliminated. Commanding officers should support our efforts to increase the effectiveness of chemical disinfection which can be accomplished through more prompt and more universal recourse to prophylaxis on the part of men who have exposed themselves.

Conditions and circumstances related to exposure and infection were discussed at length in last year's report and need not be considered here.

The board of officers appointed following my recommendation last year, representing the Bureau of Navigation, the Major General Commandant of Marines, the Judge Advocate General of the Navy, and the Bureau of Medicine and Surgery made a careful study of the venereal disease problem and has submitted a report with certain recommendations which, if adopted, should serve to strengthen our efforts to prevent disease and secure more complete detection and better control of infection with more careful follow-up treatment, which in turn should assist in lessening complications and serious aftereffects. Syphilis especially, in view of the dangerous character of the disease and the large numbers of syphilitics in the Navy, as shown by a census of persons infected with venereal disease taken on June 1 this year, is a serious menace to the health of the Navy. The danger lies not alone in shortening of life, but there is the ever present

danger that accidents to other persons and even disasters will result from the acts of syphilitics whose judgment has become impared with insidiously developing general paresis or cerebral syphilis.

During the year there were 15 deaths attributed to syphilis. The secondary causes were: Paralytic dementia, 7; encephalitis, 1; cerebral meningitis, 2; syphilis of the lung with pulmonary infarcts, 1; poisoning by neoarsphenamine, 2; poisoning by arsphenamine, 1; and septicemia following administration of arsphenamine, 1. Forty-four enlisted men of the Navy and 14 of the Marine Corps were discharged, permanently disabled by syphilis, but in 39 of these cases infection occurred prior to enlistment. One officer of the Navy was invalided from the service with locomotor ataxia. Five enlisted men of the Navy were discharged with paralytic dementia and three enlisted men of the Marine Corps.

During the year there were 8 admissions to the sick list for locomotor ataxia and 18 for paralytic dementia.

In view of the fact that certain lots of neoarsphenamine in use seemed to be causing severe reactions in an unexpectedly high percentage of cases, the bureau began to collect the necessary data for careful study of the hazards involved in the therapeutic use of arsenical compounds. Certain lots of neoarsphenamine were recalled and the importance of adhering strictly to the technique described in standard instructions for the preparation and intravenous administration of arsphenamine and neoarsphenamine for use by medical officers of the Army, Navy, Veterans' Bureau, and United States Public Health Service was impressed upon medical officers. Very few alarming reactions have been reported in recent months. Within three months after certain lots of neoarsphenamine were withdrawn from service and medical officers were required to make full reports monthly of all doses administered and severe reactions resulting therefrom, there was an abrupt decrease in the numbers of severe reactions reported, especially alarming reactions.

There are certain points connected with the history of the venereal diseases in the Navy in 1924 that require discussion. There were altogether, for gonorrhoea, syphilis, and chancroid infections, 16,409 admissions to the sick list, making the admission rate based on the average daily strength, total personnel, during the year, 137.57 per 1,000. This figure is 11.5 per cent higher than the median for the preceding five years and 15 per cent greater than the weighted average for the same period.

How much actual increase in the occurrence of disease is represented by the increase in the admission rate is a question. Thorough analysis of the figures for each of the venereal diseases separately suggests that more complete reporting may have been largely responsible for the increase. During the year the importance of complete detection and complete reporting, as well as the importance of careful follow-up treatment, was urged upon medical officers through the pages of the United States Naval Medical Bulletin.

The admission rate for 1924, while higher than the admission rate for any year since 1916, is considerably lower than the rates for years preceding the World War, as reference to the statistical summary at the end of this section shows. In those years certain factors were absent which in later years tended to cause concealment of venereal disease. The original act depriving men of pay while on the sick

list with a venereal disease was approved August 29, 1916, and became effective from that date. The venereal-disease admission rate was a little lower for that year than for previous years. Early in 1917 mobilization began, and there were so many factors during the war that operated to keep admission rates low, including the general press of work upon medical officers and hospital corpsmen with epidemics of influenza and other diseases of the respiratory type to be dealt with, that the figures for 1917 and 1918 can hardly be taken to represent as complete recording as in earlier or later years. What the immediate effect of the act depriving men of pay would have been if the United States had not entered the World War can not be estimated at this time, but it is probable that it had an effect after the demobilization period in making for concealment and incomplete recording that is reflected in the rates for 1921, 1922, and 1923, and, to a less extent, in 1924.

A word of explanation as to statistical methods is desirable at this point. In almost all cases other than venereal diseases it is the existence of a definite amount of disability that determines whether a man is to be admitted to the sick list. The primary consideration is that the man is sick and must be excused from duty. With gonorrhea, on the other hand, as indicated by figures presented above, in nearly two of every three cases the individual is not excused from the performance of duty, but a morbidity report card is filled in merely to record an admission for statistical purposes. No sick days are involved at the time at least. This is true of syphilis and chancroid infections in smaller percentages of the cases. The point is that this practice is necessary if the statistics are to include cases of venereal disease involving so little actual disability at the time the diagnosis is made that the patient would not be placed on the sick list on account of disability.

The difficulty of securing a record of all cases of common colds, for example, would at once become apparent. Unless a man considered himself sick enough to apply for relief it is not likely that his case would be known. Nevertheless, so far as the venereal diseases are concerned, it is obvious that the figures would have little meaning if only cases were included in which the men were sick enough to go to bed, and it is also obvious that no line can be drawn short of endeavoring to secure reports for all cases regardless of disability, for in many cases of syphilis and chancroid as well as gonorrhea proper treatment can be given without putting the patient on the sick list. With the incentive that exists everywhere, in civil life as well as in the Navy, and with special incentives imposed by prospective loss of pay and other punitive measures if employed, there is much inducement for men to conceal venereal disease in cases and under circumstances where concealment is possible. It would be too much to expect that statistics of any practical value could be collected if any discrimination was permitted between types of cases to be reported on the basis of difference in symptoms or degree of disability.

The interests of preventive medicine require that as many as possible of the cases that occur be known and that the best possible treatment be given in all cases regardless of what the admission rate may be. Stress has been laid upon this principle during the past year. Before the World War there was comparatively little incentive for concealment of venereal disease in the Navy prior to 1916.

One other statement should be made regarding statistical practice. The morbidity report for every case reported as chancroid is held in a separate file and in the event that a subsequent card indicates that the case proved to be one of syphilis the case is recorded as syphilis from the beginning and consequently no admission for chancroid would be shown in that case. In every case, regardless of the diagnosis, when a subsequent card shows that a change in title has been made because the earlier diagnosis proved to be erroneous the necessary correction is made in the bureau and a single admission is charged under the correct diagnosis, all accruing sick days being attributed to the disease responsible for the disability.

The admission rates for gonorrhoea, syphilis, and chancroid separately in 1924 were 84.9, 19.7, and 32.9 per 1,000 respectively. As compared with the median rates and weighted averages for the preceding five years the following increases are noted:

	Gonorrhoea	Syphilis	Chancroid
	Per cent	*Per cent*	*Per cent*
Increase in comparison with median rate, 1919–1923	7.7	9.6	20.0
Increase in comparison with weighted average rate, 1919–1923	11.3	10.2	19.3

It is probable that these increases resulted partly from increased numbers of men infected and partly from more complete reporting.

Although the average daily strength of the Asiatic Fleet represents only about 6 per cent of the total strength of the Navy and Marine Corps, that fleet every year reports about 18 per cent of the total admissions for venereal diseases. In 1924 there was a considerable increase in the venereal-disease admission rate in the Asiatic Fleet, amounting to more than 350 cases. That increase, however, would only account for an increase of 2.4 per cent in the rate for the entire personnel, whereas the total increase was 11.5 per cent. The fleet surgeon of the Asiatic Fleet reported that the excess cases were due to the fact that the fleet remained in Chinese waters two or three months longer than usual on account of the political situation. Some of the destroyers went to India, Burma, and Siam, and these had very high venereal-disease rates after the visit. The rates increase every year while ships are in Chinese ports and decrease during the stay in Manila. The fleet surgeon also remarked that numerous houses of prostitution are licensed in Chefoo during the stay of the fleet. These are all Chinese, but the cabarets and dance halls are frequented by Russian women of low class. No all-night liberty is granted, but these places are all open during the day. River gunboats are stationed in small places where there are few opportunities for wholesome amusement, and their venereal-disease rates are very high.

The Navy's venereal-disease problem is complicated. Admission rates are low in general for personnel attached to stations in the United States. The rates are usually low for naval training stations, comparatively speaking, and they tend to be low for other stations where the personnel is more or less fixed and where the men have better contact with the civilian community than men serving on board ship. As might well be expected, the rates are low when the

men can form desirable friendships and perhaps establish homes for themselves, or board with, or at least visit, civilians in their homes. Admission rates for ships as a rule are comparatively low when in home ports and when the home port is visited regularly at short intervals. Rates for receiving ships and receiving stations are characteristically high. High rates are partly due to their location in large seaports and partly to the character of receiving-ship activities. The personnel of the general detail is continually changing, and there is less opportunity for supervision over such men than on board a cruising ship or at a naval station. The men of the general detail, as a rule, are there for the time being under circumstances where they rate and deserve liberty. Every-night liberty is the rule. Most of them are strangers in the city. Another reason why the rates are high is that stragglers and returned deserters are often found to be infected when they report in or are delivered to the receiving ship for further disposition. Admissions for such cases in which disease was acquired while absent without leave must be charged against the receiving ship.

The question of completeness of reporting or detection of disease always arises. The following table shows admission rates per 1,000 for venereal disease in 1924 among naval personnel as distributed in the United States and in other parts of the world. The percentage increase or decrease is also shown for each rate as compared with the corresponding rate of 1923, which was the year for which the all Navy rate was the median of the preceding five years.

	Admissions per 1,000 per annum	Per cent increase (+) or decrease (−), compared with 1923
Entire Navy	137.57	+11.5
Forces afloat	184.06	+20.3
Battleship divisions—		
Battle Fleet	140.62	+52.3
Scouting Fleet	150.94	+29.6
Asiatic Fleet	432.45	−9.4
Destroyer squadrons—		
Battle Fleet	129.62	+82.4
Scouting Fleet	125.67	−25.0
Asiatic Fleet	492.19	+17.3
Miscellaneous vessels—		
Battle Fleet	195.03	+50.9
Scouting Fleet	155.81	+0.9
Asiatic Fleet	257.76	−33.2
Naval forces, Europe	311.99	+21.2
Special Service Squadron (based on Panama)	222.81	−21.2
Naval transportation service	210.44	+75.8
Ships on special duty (survey duty, ships on shakedown cruises, etc.)	120.44	+8.3
Forces ashore in the United States	63.74	−6.6
First naval district—		
Navy yard, Boston, Mass	67.26	+7.4
Receiving ship, Boston, Mass	176.18	+12.5
United States naval torpedo station, Newport, R. I	44.04	−16.8
United States Naval training station, Newport, R. I	30.71	−27.5
Navy yard and prison, Portsmouth, N. H	31.25	−15.3
Third naval district—		
District headquarters, New York, N. Y	8.08	−31.9
Navy yard, New York, N. Y	45.10	−33.5
Receiving ship, New York, N. Y	85.67	−12.7
Submarine base, New London, Conn	96.13	+15.0
Fourth naval district—		
Navy yard and marine barracks, Philadelphia, Pa	37.91	−36.7
Receiving barracks, Philadelphia. Pa	51.93	−70.3

	Admissions per 1,000 per annum	Per cent increase (+) or decrease (−), compared with 1923
Forces ashore in the United States—Continued.		
Fifth naval district—		
United States naval air station, Anacostia, D. C	38.13	−25.6
United States naval air station, Hampton Roads, Va	70.47	+16.3
United States naval training station, Hampton Roads, Va	87.34	+12.7
Receiving barracks, Hampton Roads, Va	142.50	+74.3
Navy yard, Norfolk, Va	26.32	−61.0
Marine barracks, Quantico, Va	67.53	−4.7
Marine barracks, Washington, D. C	38.36	−21.7
Navy yard, Washington, D. C	38.73	−34.3
Sixth naval district—		
Receiving ship, Charleston, S. C	177.77	+5.3
Marine barracks, Parris Island, S. C	53.20	+24.2
Seventh naval district—		
United States naval station, Key West, Fla	187.91	+191.3
Eighth naval district—		
United States naval station, New Orleans, La	107.43	+23.4
United States naval air station, Pensacola, Fla	90.37	+46.2
Ninth naval district—		
United States naval training station, Great Lakes, Ill	81.75	−7.2
Eleventh naval district—		
United States naval air station, San Diego, Calif	67.24	−1.4
Marine detachment, San Diego, Calif	60.73	+98.3
United States naval training station, San Diego, Calif	61.68	+40.2
Twelfth naval district—		
United States naval station, Mare Island, Calif	41.94	−5.0
Receiving ship, San Francisco, Calif	111.32	−39.7
Thirteenth naval district—		
United States naval torpedo station, Keyport, Wash	63.29	−9.5
Navy yard, Puget Sound, Wash	62.75	+46.1
Receiving ship, Puget Sound, Wash	213.00	+56.9
Forces ashore outside the continental limits of the United States	134.73	−15.7
Expeditionary forces, Haiti	295.64	−13.9
United States naval station, St. Thomas, Virgin Islands	91.89	−15.9
Panama Canal Zone (submarine base)	213.94	+13.8
Guantanamo Bay, Cuba (naval station)	72.31	−37.2
Legation guard, Managua, Nicaragua	227.27	−6.1
Legation guard, Peking, China	255.58	−42.7
Naval personnel, Hawaii	48.50	−10.1
Naval personnel, Philippine Islands	183.76	+43.1
Guam (naval station)	24.75	−16.1

Some of the figures in this table support the conclusion that the net increase in the admission rate for the entire Navy was due among other things to more complete detection and reporting. For example, the rate for the naval station at Key West, Fla., was only 64.5 per 1,000 in 1923. In 1924 the rate was 187.9. The latter is more consistent with known exposure hazards. In 1923 the rate for the naval air station at Pensacola, Fla., was 61.8 and in 1924, 90.4. The marine detachment, San Diego, Calif., had a low admission rate in 1924, 60.7 per 1,000, but this nevertheless was 98 per cent greater than the rate for the previous year. The rate for the receiving barracks at Hampton Roads, Va., was rather low for a receiving ship in 1924 and yet it was 74 per cent greater than that of the year before.

Some of the changes in admission rates in the above table as indicated by percentage increase or decrease have little significance because the average strength of personnel represented was small and consequently a few admissions in excess in 1924 or in 1923 could have caused a marked increase or decrease in the rate as the case might be. For individual stations, obviously, experience extending over a period of years would be necessary to justify comparisons between rates, but the variations nevertheless carry with them suggestions regarding cause.

The figures for combined organizations representing large numbers of personnel are more significant. For all forces afloat, representing about 63 per cent of total personnel, the admission rate was 20.3 per cent greater than the 1923 rate; but for forces ashore in the United States, representing about 26 per cent of the personnel, the rate was 6.6 per cent lower. The rate for all forces on shore duty outside the continental limits of the United States, about 10 per cent of the personnel, declined 15.7 per cent.

The figure for personnel on duty within the continental limits of the United States includes about 2 per cent of the total personnel constantly under treatment in naval hospitals.

The admission rate for the entire Navy is based on individual morbidity report cards (Form F cards) returned during the year and is as accurate as any morbidity rate can be. The rates for fleets, ships, and stations are compiled from figures submitted in monthly and annual reports, and while there is close agreement between total admissions accounted for by these reports and the more inclusive total indicated by the cards, it is never possible to have the figures agree exactly. Ship and station reports account for 90 per cent of the admissions. The remainder were for personnel attached to recruiting offices and other small and scattered stations and for cases in which the original diagnosis was made in a naval hospital. Altogether these amounted to 1,674 admissions. There would be nothing gained by computing rates separately for very small and changing groups of personnel.

Although the venereal-disease admission rate for the entire Navy increased by 11.5 per cent over that for 1923, which was the median rate of the preceding five years, there was no net increase except for the personnel afloat. The 11.5 per cent increase represents an excess of 1,696 admissions, entire Navy, in 1924. The excess number of admissions for all personnel on sea duty as compared with the previous year was 1,975. This figure is represented by an increase of 20.3 per cent in the admission rate for all forces afloat. The difference between 1,975 and 1,696 is 279 admissions, and this difference is offset by net decreases for personnel serving ashore. The 6.6 per cent decrease in the admission rate for personnel in the United States and the 15.7 per cent decrease for personnel on shore duty outside the continental limits of the United States are together equivalent to 355 admissions. The difference between 355 and 279, amounting to 76 admissions, is accounted for by a net increase for the remainder of the personnel—small and scattered groups, hospital patients, etc.

With reference to the net increase in the admission rate for the force afloat, there was an actual increase in the numbers of cases of venereal disease in the Asiatic Fleet, due to longer stay of certain ships in Chinese ports and visits of destroyers to India, Burma, and Siam, as mentioned above. According to the figures given in the fleet surgeon's report the increase was about 350 cases. These increased the admission rate for all forces afloat by 3.6 per cent. The total increase was 20.3 per cent. Many men attached to ships of the Battle Fleet became infected in March and April during visits to New York and other liberty ports on the Atlantic coast and while at Panama. Ships which have New York, Boston, Philadelphia, or Norfolk as home ports do not as a rule have excessively high rates while in the home

port, but the men of the Battle Fleet were not well acquainted with the ports visited and consequently admission rates were very high. The Battle Fleet reported 64 per cent more cases in 1924 than in 1923, and the increase was largely the result of visiting Atlantic coast ports. The difference in rates for the two years is equivalent to 1,540 cases, and these account for 15.8 of the 20.3 per cent increase for all forces afloat. Therefore, the increased exposure hazards mentioned above would account for practically all of the increase in rates for forces afloat.

The factors which govern a venereal-disease rate under all conditions and circumstances are:

1. Increased (or decreased) exposure.
2. Less successful (or more successful) preventive efforts.
3. More (or less) complete detection and reporting.

It is ordinarily possible to detect and record a larger proportion of cases occurring among men attached to ships than among personnel groups stationed ashore, although for one reason or another not all men serving on board ship who become infected are likely to be known.

Conditions and circumstances, including every-day liberty, ability to consult physicians, quacks, and drug clerks, and the lack of close observation by division petty officers and other shipmates, are such that less complete detection and reporting of venereal diseases is to be expected for forces ashore in the United States than for the personnel afloat. This probably was the case in 1924 as well as in previous years.

As stated above, there was a 6.6 per cent decrease in the admission rate for personnel on duty within the continental limits of the United States and 15.7 per cent decrease for personnel serving ashore outside the continental limits. These decreases probably represent that much or even greater reduction in the numbers of men infected, because it is not likely with the efforts which were being made by the bureau to encourage complete reporting that detection and reporting were less complete than in previous years. Indeed it is altogether probable that reporting was more complete.

It is probable that what took place in 1924 as compared with 1923 was that increase in exposure hazards here and there led to increases in the incidence of the venereal diseases, that more complete detection and recording contributed still further to increase the admission rate for the total personnel, and that more effective efforts at prevention in part offset these factors so that the net increase in the admission rate was less than it otherwise would have been, and it is further possible that there was actually a decrease in the occurrence of disease.

It is well known to health officers that when increased efforts are made to prevent a communicable disease one of the effects of the campaign of education, aroused interest and other applied preventive measures, is the bringing to light of additional cases. It is the same in the Navy. A result logically to be expected from more concerted efforts on the part of medical officers to instruct the men, induce men to take prophylactic treatment and consult them if infected, discover cases, improve diagnostic methods, and provide better follow-up treatment is increase in the admission rate, if report-

ing has not previously been 100 per cent complete, and it is difficult to see how that statistical ideal can be reached.

Venereal-disease admission rates by age groups, enlisted men of the Navy, were as follows:

Age group	Number in group	Admissions	Rate per 1,000	Percentage increase (+) or decrease (−) compared with 1923	Age group	Number in group	Admissions	Rate per 1,000	Percentage increase (+) or decrease (−) compared with 1923
16–19	11,125	1,600	143.82	+37.05	50–54	148	1	6.76	+100.00
20–24	44,320	8,857	199.84	+15.72	55–59	38	0	0	0
25–29	17,500	2,648	151.31	+14.80	60–64	16	0	0	0
30–34	8,528	572	67.07	+4.07	65–69	3	0	0	0
35–39	4,023	176	43.75	+23.07	70–74	1	0	0	0
40–44	1,287	42	32.63	+3.13					
45–49	448	12	26.79	−17.85	Total	87,437	13,908	159.06	+16.22

There were only 39 admissions for officers of the Navy and Marine Corps; 8 in the group 20–24, 15 in the group 25–29, 4 in the group 30–34, 10 in the group 35–39, 1 in the group 40–44, and 1 in the group 45–49. The admission rate is so low for officers of all ages that rates by age groups have little significance, at least so far as the figures for one year are concerned, and data for previous years are not available.

The following table shows admission rates by age groups, enlisted men of the Navy separately for gonorrhea, syphilis, and chancroid infections:

Age group	Gonorrhea	Syphilis	Chancroid	Age group	Gonorrhea	Syphilis	Chancroid
16–19	106.07	11.42	26.34	45–49	2.23	13.39	11.16
20–24	129.33	25.38	45.13	50–54	0	6.76	0
25–29	83.89	25.20	42.23	55–59	0	0	0
30–34	32.36	13.95	20.76	60–64	0	0	0
35–39	17.65	11.43	14.67	65–69	0	0	0
40–44	12.43	10.88	9.32	70–74	0	0	0

The first of these tables gives the same general picture as last year. The highest admission rate is in the 20–24 group. The rate for the 30–34 group is much smaller than for younger men and, as might be expected, the rates become progressively smaller with increasing age.

The second table shows that the decrease in the admission rate for gonorrhea is greater with increasing age than for chancroid infection. One would expect the admission rate for syphilis to keep up in the older groups because of the lag in diagnosis. Men who were infected years ago are from time to time discovered to have syphilis and without record of previous admission to the sick list of the Navy original admissions are recorded. On the other hand, chancroid cases represent fresh infection, and if the admission rate keeps up in the older groups, under the law of probability the admission rate for gonorrhea should also stay up, but it does not. The figures therefore suggest that in addition to the natural decrease resulting from

less infection in the older groups, there is more concealment of gonorrhea, especially among men between 30 and 40 years of age. Gonorrhea, of course, is the disease which is most often easily concealable. Several explanations suggest themselves to account for relatively more complete recording of chancroid infections; disability making it difficult for the man to keep at work, necessity for frequent dressing of the lesion, fear that the sore may be syphilitic, obvious presence of the lesion upon inspection, etc.

The percentage increases or decreases in these specific rates for 1924 as compared with the rates for 1923 are significant in connection with the ratios between admissions for syphilis and admissions for gonorrhea and other evidence bearing on the question of completeness of detection and recording. Admission rates for syphilis were increased in all age groups, rates for chancroid were increased in all groups but one, and for gonorrhea there were increases in the groups that naturally have the highest admission rates. It is possible that there was a general increase in exposure hazards for all three diseases and for men in all or most age groups, but in view of the considerations brought out above and a slight widening in the ratio between syphilis and gonorrhea for the Navy as a whole it is more probable that a higher percentage of the cases that occurred during the year were admitted to the sick list.

The percentage increases or decreases in rates by age groups were as follows:

Per cent increase of decrease in admission rates per 1,000 for 1924 as compared with 1923

Age group	Gonorrhea	Syphilis	Chancroid	Age group	Gonorrhea	Syphilis	Chancroid
16–19	+27.26	+13.97	+127.66	50–54	0	+100.00	0
20–24	+19.94	+10.64	+31.92	55–59	0	0	0
25–29	+9.92	+11.60	+28.44	60–64	0	0	0
30–34	−7.99	+14.06	+21.55	65–69	0	0	0
35–39	+22.74	+2.70	+46.12	70–74	0	0	0
40–44	−12.95	+8.91	−13.86				
45–49	−82.90	+2.68	+71.16	Total	11.56	10.77	35.05

The ratios between admissions for gonorrhea and admissions for syphilis in 1924 and in 1923 are as follows:

Age group	1924			1923		
	Syphilis		*Gonorrhea*	*Syphilis*		*Gonorrhea*
16–19	1	to	9.3	1	to	8.3
20–24	1	to	5.1	1	to	5.0
25–29	1	to	3.3	1	to	3.3
30–34	1	to	2.3	1	to	2.8
35–39	1	to	1.5	1	to	1.3
40–44	1	to	1.1	1	to	1.1
45–49	1	to	0.2	1	to	1.0
50–54	1	to	0	----------		

Such close correlation exists between the data for the two years that the figures must have significance. The tables previously considered indicate that decreasing admission rates for gonorrhea rather than increasing rates for syphilis are responsible for the progressive narrowing of the ratio in the older age groups.

The ratio for the entire Navy, Marine Corps included, is remarkably constant from year to year, as shown below. It has been about 1 to 4.2. This figure may therefore be used as a standard of comparison in studying the above table. It is well known that gonorrhea is more likely to be concealed than syphilis and less likely to be recorded for the additional reason that syphilis eventually is likely to be discovered, even if not seen or diagnosed in the earlier stages. It is a matter of common knowledge that not all cases of venereal disease come to the attention of medical officers. The ratio, 1 to 4.2, is therefore more narrow than the natural ratio, which by and large under diverse exposure hazards is probably about 1 to 5.

The factors which determine the ratio may be summarized, as follows:

Factors tending to widen the ratio	Factors tending to narrow the ratio
Relatively less exposure to syphilis.	Relatively more exposure to syphilis.
Relatively greater preventive value of chemical disinfectants against syphilis.	Relatively less preventive value of chemical agents against syphilis.
Failure of men infected with syphilis to consult medical officer.	Fear of syphilis and other factors leading men to consult medical officer who might not be inclined to consult him for gonorrhea.
Failure of medical officer to recognize syphilis.	Careful study of cases leading to recognition of syphilis.
Relatively greater exposure to gonorrhea.	The fact that syphilis eventually is likely to be detected.
More complete detection and recording of gonorrhea.	Relatively less exposure to gonorrhea.
Relatively less effect against gonorrhea of chemical agents used for disinfection.	More concealment of gonorrhea.
Neglect of medical prophylaxis altogether so long as the ratio is narrower than the natural ratio, which is probably about 1 to 5.	Greater preventive value of medical prophylaxis against gonorrhea.

These factors are, of course, variables which for the most part are indeterminate. Nevertheless, the progressively narrowing ratios in the above table suggest that in addition to the effect of the detection of syphilis long after the disease was acquired, relatively more cases of gonorrhea are successfully concealed by the older men up to the age where few are exposed. The point might be made that the older men are more careful about taking prophylactic treatment. If that were so and if prophylaxis is equally effective against both diseases there would be no effect upon the ratio. To account for narrowing it would be necessary to assume high value against gonorrhea and relatively little value against syphilis. As a matter of fact, such evidence as there is indicates that the older men are more careless about taking prophylactic treatment than the young men, and especially those in the age group 16–19 which has the widest ratio.

The ratio between syphilis and gonorrhea for the Navy as a whole, by years since 1914, has been:

Year:	Syphilis		Gonorrhea
1914	1	to	4. 3
1915	1	to	4. 1
1916	1	to	3. 7
1917	1	to	5. 7
1918	1	to	3. 6
1919	1	to	4. 2
1920	1	to	4. 5
1921	1	to	4. 4
1922	1	to	4. 1
1923	1	to	4. 2
1924	1	to	4. 3

As the years have passed diagnostic methods for the detection of syphilis have improved and with other variable factors fixed one would expect narrower ratios in recent years. The fact that the ratio remains about the same suggests relatively more complete detection and recording of gonorrhea in recent years, but the effect of medical prophylaxis is an unknown quantity. There is no doubt about the preventive value of chemical disinfection, but it is not known against which of the two diseases the chemical agents employed have been more effective. So far as prophylaxis is concerned the nature of the chemical agents used is but one factor; care in application and unfailing resort to prophylaxis after exposure is an important consideration.

The most probable explanation for the narrow ratio in 1916 is the effect of the act approved August 29, 1916, by which men were deprived of pay while on the sick list with venereal disease. There is little doubt that concealment of disease during the balance of the year affected the ratio for the entire year. Of course, there must have been relatively more concealment of gonorrhea than of syphilis.

What the ratio would have been in 1917 if the United States had not entered the World War can not be estimated with certainty, but it probably would have been narrow. As it happened, with enormous expansion going on and a large percentage of the personnel under training or located elsewhere in the United States with only a small percentage of the expanded total in Haiti and at other stations where syphilis hazards are relatively greater, the ratio was broad, perhaps somewhat broader than the natural ratio, due to the fact that some of the cases of syphilis acquired that year had not yet been detected. In 1918 many conditions and circumstances made for concealment or at least for failure to detect and record venereal diseases. The venereal disease rate decreased to the remarkably low figure, 70.18. There can be no doubt that cases of gonorrhea by the thousands for one reason or another escaped being recorded. Naturally enough the ratio was narrow.

The following ratios for fleets and other naval organizations and units in different parts of the world are of interest as bearing on the question of relative differences in exposure hazards. The figures representing the combined experience of 1923 and 1924 are as follows:

	Syphilis		Gonorrhea
Forces afloat	1	to	6. 7
Battle Fleet	1	to	7. 1
Scouting Fleet	1	to	8. 4
Asiatic Fleet	1	to	3. 5
Naval forces, Europe	1	to	5. 2
Special Service Squadron (based on Panama)	1	to	8. 8
Naval transportation service	1	to	7. 9
Ships on special duty (survey duty, shakedown cruises, etc	1	to	7. 3
Forces ashore in the United States	1	to	6. 3
First naval district	1	to	10. 0
Third naval district	1	to	6. 4
Fourth naval district	1	to	7. 2
Fifth naval district	1	to	5. 0
Sixth naval district	1	to	9. 3
Seventh naval district	1	to	5. 5
Eighth naval district	1	to	10. 4
Ninth naval district	1	to	9. 7
Eleventh naval district	1	to	6. 7

Forces ashore in the United States—Continued.	Syphilis		Gonorrhea
Twelfth naval district	1	to	5.0
Thirteenth naval district	1	to	8.5
Forces outside the continental limits of the United States	1	to	4.0
Expeditionary forces, Haiti	1	to	1.8
United States naval station, St. Thomas, Virgin Islands	0	to	23.0
Panama Canal Zone (submarine base)	1	to	9.2
Guantanamo Bay, Cuba (naval station)	1	to	5.8
Legation Guard, Managua, Nicaragua	1	to	2.3
Legation Guard, Peking, China	1	to	4.3
Naval personnel, Hawaii	1	to	4.3
Naval personnel, Philippine Islands	1	to	14.5
Guam (naval station)	1	to	7.8

Figures for a longer period than two years would have more value but they are not available. More extended experience from year to year may bring out certain differences for some of the items. In using this table it should be remembered that the ratios are based on cases reported in monthly and annual sanitary reports from ships and stations. Obviously, some cases of syphilis could not be included in the reports because they were not discovered during the year; at least not in the organization reporting. In some cases the diagnosis is established after transfer to a naval hospital. The ratio for the entire Navy given in the preceding table is not subject to this error because cases reported by naval hospitals can be included together with all other cases, and, barring years in which the Navy has undergone great expansion, the number of cases of syphilis acquired in previous years, but diagnosed during the year in question, about equals the cases acquired in that year which will remain to be detected in a future year. Change in exposure rates in a single year might have considerable influence on the ratio but the effect of such variations is certain to be smoothed out over a period of years.

Admission rates for venereal disease (all three diseases combined) by general occupational groups in 1924 were as follows:

Occupational group	Order of frequency	Specific rate per 1,000 persons in group, 1924	Order of frequency	Weighted average 1919–1923	Per cent increase (+) or decrease (−)
Fireroom force	(1)	216.40	(2)	178.91	+20.95
Seamen, other than apprentice seamen	(2)	190.39	(4)	133.80	+42.29
Engine-room force	(3)	148.19	(3)	144.63	+2.46
Miscellaneous artificers	(4)	127.51	(8)	97.25	+31.12
Marines	(5)	127.50	(5)	129.45	−1.51
Electricians	(6)	121.20	(7)	106.49	+13.81
Culinary force	(7)	121.14	(1)	195.24	−37.95
Ordnance ratings	(8)	120.78	(6)	108.74	+11.07
Clerical force	(9)	106.13	(10)	75.39	+40.77
Musicians	(10)	98.10	(9)	77.42	+26.71
Apprentice seamen	(11)	78.26	(11)	71.80	+9.00
Hospital corpsmen	(12)	74.88	(12)	62.39	+20.02
Aviation artificers	(13)	68.64	(13)	[1] 60.22	+13.98
Prisoners	(14)	21.84	(14)	51.23	−51.51
Officers, Navy and Marine Corps	(15)	4.23	(15)	10.54	−59.87
Midshipmen	(16)	2.38	(16)	2.40	−0.83
Nurses	(17)	0	(17)	[2] 0	0

[1] Weighted average for 2 years. [2] Weighted average for 4 years.

So few cases were reported for officers that neither a big percentage increase nor a big decrease would have much significance. So far as the enlisted personnel is concerned the occupational groups which

could be expected to show the greatest increases with improvement in detection and reporting were among those which showed the greatest percentage increases. In general, the groups for which the rates in previous years were probably more nearly correct, marines for example, showed the least percentage change.

Admission rates and figures showing percentages of the personnel on the sick list with venereal disease do not permit a very close estimate to be made of the numbers constantly infected with one or another of these diseases, because in many cases the admission is made merely as a matter of record and no sick days are involved, and in some cases, no record of admission is made in spite of efforts to secure complete reporting. In order to determine what might be the percentages of officers and enlisted men who were known to be infected with venereal disease on a given day, a census of persons known by medical officers of the Navy to have gonorrhea, syphillis, or chancroid infection as yet uncured on that day, was taken throughout the service June 1, 1925. The questionnaire form which was used to collect the data made it clear to all that names of infected individuals could not in any way be known and that the data would be used solely for statistical purposes and compiled in such manner that even the names of single ships or other units would not appear. An appeal was made to medical officers to collect the data completely and accurately, including the figures for all officers and enlisted men known to be infected and not yet cured, whether under treatment on June 1 or undergoing a rest period before resuming treatment. Medical officers appeared to have great interest in the matter, some writing letters of explanation in addition to filling in the form. Practically all reports were complete and satisfactory from a statistical viewpoint. The reports received covered 83.2 per cent of the personnel on active duty the day the census was taken. The figures, which speak for themselves, are as follows:

	Number attached to ships and stations reporting	Gonorrhea		Syphilis		Chancroid		Total	
		Cases	Per cent infected	Cases	Per cent infected	Cases	Per cent infected	Cases	Per cent infected
FORCES AFLOAT									
Battle Fleet:									
Officers, Navy and Marine Corps	1,289	0	0	12	0.93	0	0	12	0.90
Enlisted men, Navy	24,174	567	2.34	870	3.60	24	.10	1,461	6.00
Enlisted men, Marine Corps	1,032	14	1.36	8	.78	0	0	22	2.10
Scouting Fleet:									
Officers, Navy and Marine Corps	1,388	1	.07	9	.65	0	0	10	.70
Enlisted men, Navy	19,577	397	2.03	760	3.88	38	.19	1,195	6.10
Enlisted men, Marine Corps	440	8	1.82	7	1.59	3	.68	18	4.10
Asiatic Fleet:									
Officers, Navy and Marine Corps	295	1	.34	2	.68	0	0	3	1.00
Enlisted men, Navy	4,709	323	6.85	492	10.45	132	2.80	947	20.00
Enlisted men, Marine Corps	121	11	9.09	4	3.31	3	2.48	18	14.90
Naval Forces, Europe:									
Officers, Navy and Marine Corps	101	0	0	2	2.00	0	0	2	1.98
Enlisted men, Navy	1,650	113	6.85	133	8.06	19	1.15	265	16.10
Enlisted men, Marine Corps	72	3	4.16	2	2.78	0	0	5	6.90

	Number attached to ships and stations reporting	Gonorrhea		Syphilis		Chancroid		Total	
		Cases	Per cent infected	Cases	Per cent infected	Cases	Per cent infected	Cases	Per cent infected
FORCES AFLOAT—continued									
Special Service Squadron:									
Officers, Navy and Marine Corps	79	0	0	0	0	0	0	0	0
Enlisted men, Navy	1,295	42	3.24	98	7.57	18	1.39	158	12.20
Enlisted men, Marine Corps	263	4	1.52	1	.38	10	3.80	15	5.70
Naval transportation service:									
Officers, Navy and Marine Corps	69	0	0	2	2.90	0	0	2	2.90
Enlisted men, Navy	956	21	2.20	85	8.89	2	.21	108	11.30
Enlisted men, Marine Corps	0	0	0	0	0	0	0	0	0
Special duty:									
Officers, Navy and Marine Corps	39	0	0	1	2.60	0	0	1	2.60
Enlisted men, Navy	577	30	5.20	41	7.11	5	.87	76	13.20
Enlisted men, Marine Corps	0	0	0	0	0	0	0	0	0
Total	58,126	254	.44	1,535	2.64	2,529	4.35	4,318	7.40
FORCES ASHORE OUTSIDE THE CONTINENTAL LIMITS OF THE UNITED STATES									
Asiatic:									
Officers, Navy and Marine Corps	18	0	0	0	0	0	0	0	0
Enlisted men, Navy	10	0	0	0	0	0	0	0	0
Enlisted men, Marine Corps	419	11	2.63	12	2.86	6	1.43	29	6.92
Philippine, Samoan, and Hawaiian Islands:									
Officers, Navy and Marine Corps	300	0	0	1	.33	0	0	1	.33
Enlisted men, Navy	2,056	40	1.94	126	6.13	5	.24	171	8.31
Enlisted men, Marine Corps	831	7	.84	19	2.29	10	1.20	36	4.33
Canal Zone, West Indies, and United States Naval Mission to Brazil:									
Officers, Navy and Marine Corps	263	1	.38	1	.38	0	0	2	.76
Enlisted men, Navy	1,501	23	1.53	53	3.53	4	.27	80	5.33
Enlisted men, Marine Corps	1,489	38	2.55	63	4.23	21	1.41	122	8.19
Total	6,887	120	1.74	275	3.99	46	.67	441	6.40
FORCES ASHORE IN THE UNITED STATES									
Officers, Navy and Marine Corps	3,430	1	.03	12	.35	0	0	13	.38
Enlisted men, Navy	18,026	365	2.02	697	3.87	37	.21	1,099	6.10
Enlisted men, Marine Corps	12,791	161	1.30	339	2.60	21	.20	521	4.10
Total	34,247	527	1.53	1,048	3.06	58	.17	1,633	4.77
Total	99,260	2,182	2.20	3,852	3.88	358	.36	6,392	6.44

The percentage relationships of admissions for gonorrhea, syphilis, and chancroid to total admissions for venereal disease, entire Navy, by years since 1914 are shown in the following table:

Year	Gonorrhea	Syphilis	Chancroid	Year	Gonorrhea	Syphilis	Chancroid
	Per cent	*Per cent*	*Per cent*		*Per cent*	*Per cent*	*Per cent*
1914	52.05	12.16	35.79	1920	62.71	13.91	23.38
1915	58.00	14.09	27.91	1921	65.03	14.86	20.11
1916	55.48	14.93	29.59	1922	64.20	15.74	20.06
1917	64.71	11.33	23.96	1923	63.59	15.10	21.31
1918	60.53	16.86	22.61	1924	61.75	14.35	23.90
1919	61.21	14.74	24.05				

Admission rates, sick days, and ratios of men per 1,000 constantly disabled are shown in the following tables for the venereal diseases combined and for gonorrhea, syphilis, and chancroid separately:

Summary

Year	Average strength, Navy and Marine Corps	Admission	Admission rate per 1,000	Total sick days	Noneffective rate per 1,000
1914	67,141	10,957	163.19	109,053	4.45
1915	68,075	10,319	151.58	114,803	4.62
1916	69,294	10,330	149.07	127,067	5.02
1917	245,580	21,788	88.72	190,853	2.13
1918	503,792	35,360	70.18	456,538	2.48
1919	298,774	33,345	111.62	558,421	5.12
1920	140,733	17,763	126.11	239,302	4.64
1921	148,861	17,871	120.05	250,145	4.60
1922	122,126	15,556	127.36	220,934	4.96
1923	116,565	14,376	123.35	215,109	5.06
1924	119,280	16,409	137.57	214,984	4.92
GONORRHEA					
1914	67,141	5,703	84.94	36,218	1.48
1915	68,075	5,985	87.91	35,404	1.42
1916	69,294	5,731	82.70	43,357	1.71
1917	245,580	14,099	57.41	101,062	1.13
1918	503,792	21,404	42.48	218,058	1.19
1919	298,774	20,410	68.32	298,044	2.73
1920	140,773	11,140	79.13	122,805	2.38
1921	148,861	11,621	78.06	129,212	2.38
1922	122,126	9,987	81.77	116,097	2.60
1923	116,565	9,142	78.43	118,591	2.79
1924	119,280	10,132	84.94	111,625	2.56
SYPHILIS					
1914	67,141	1,332	19.83	53,016	2.16
1915	68,075	1,454	21.35	65,682	2.64
1916	69,294	1,542	22.25	67,814	2.67
1917	245,580	2,469	10.05	67,345	.75
1918	503,792	5,960	11.83	160,975	.87
1919	298,774	4,916	16.45	169,359	1.55
1920	140,733	2,470	17.54	77,693	1.51
1921	148,861	2,656	17.84	87,643	1.61
1922	122,126	2,448	20.04	75,101	1.68
1923	116,565	2,170	18.62	68,421	1.61
1924	119,280	2,355	19.74	66,353	1.52
CHANCROID					
1914	67,141	3,922	58.05	19,819	0.81
1915	68,075	2,880	42.30	13,717	.55
1916	69,294	3,057	44.02	15,896	.62
1917	245,580	5,220	21.25	22,446	.25
1918	503,792	7,996	15.87	77,505	.42
1919	298,774	8,019	26.84	91,018	.83
1920	140,773	4,153	29.50	38,804	.75
1921	148,861	3,594	24.14	33,290	.61
1922	122,126	3,121	25.55	29,736	.67
1923	116,565	3,064	26.29	28,097	.66
1924	119,280	3,922	32.88	37,006	.85

OTHER DISEASES OF INFECTIVE TYPE, UNITED STATES NAVY NOMENCLATURE OF DISEASES AND INJURIES

There are 30 titles in this class. Some of the infectious diseases thus grouped are communicable and important while others, technically speaking from an epidemiological viewpoint, are not communicable. For example, tetanus is a disease new cases of which seldom depend upon previous infection either of a human being or animal.

This class includes along with such common infections as abscess, cellulitis, furuncles and carbuncles, dysentery not further classified, rheumatic fever, septicemia, etc., as well as certain communicable diseases that are of rare occurrence in the Navy. Among these are foot and mouth disease, gangosa, histoplasmosis, infectious jaundice, leprosy, Malta fever, rat-bite fever, and yaws. Some involve direct and indirect contact; some are essentially communicable skin diseases, and others are of special or limited epidemiological importance.

The class as a whole accounted for 5.27 per cent of total admissions to the sick list and 4.66 per cent of all sick days, standing sixth on the list among all classes of diseases, including injuries and poisoning. This prominence is of course due to the inclusion of the common pyogenic infections.

Diseases in this class caused 7 deaths, or 3.3 per cent of all deaths caused by disease, and 29 discharges by reason of permanent disability, or 1.3 per cent of all invalidings from the service because of disease.

Cellulitis caused 1 death; furunculosis, 1; rheumatic fever, 2; carbuncle, 1; septicemia, 1; and tetanus, 2. The following led to invaliding from the service: Cellulitis, 3; rheumatic fever, 19; acute lethargic encephalitis, 3; leprosy, 2.

Diseases for which admissions were recorded during the year are shown in the following table in the order of frequency.

	Admission rate per 100,000	Sick days per 100,000	Deaths (all)	Invalided from the service	Disability originated prior to entering service
Cellulitis	1,300	17,456	1	3	0
Abscess, unclassified	694	11,897	0	2	0
Furunculosis	348	4,056	1	0	0
Rheumatic fever	249	13,062	2	19	0
Vaccinia	160	895	0	0	0
Carbuncle	87	1,052	1	0	0
Erysipelas	23	515	0	0	0
Fever, cause undetermined	18	213	0	0	0
Dysentery, unclassified	14	203	0	0	0
Septicemia	12	548	1	0	0
Encephalitis, lethargic	9	1,086	0	3	0
Yaws	7	198	0	0	0
Leprosy	3	222	0	2	0
Focal infections	3	158	0	0	0
Trench mouth	2	16	0	0	0
Tetanus	1	0	2	0	0
Miliary fever	1	15	0	0	0
Anthrax	1	15	0	0	0
Total	2,934	51,610	7	29	0

Admission rates by age groups in 1924 were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	480	43.15
20–24	1,215	17	13.99	44,320	1,342	30.28
25–29	1,925	36	18.70	17,500	401	22.91
30–34	1,939	16	8.25	8,528	162	19.00
35–39	1,782	27	15.15	4,023	84	20.88
40–44	1,178	11	9.34	1,287	20	15.54
45–49	667	15	22.49	448	13	29.02
50–54	323	6	18.58	148	2	13.51
55–59	139	3	21.58	38	1	26.32
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	131	14.22	87,437	2,505	28.66

CELLULITIS

There were 1,551 admissions in 1924, making the admission rate 13 per 1,000. The median for the preceding five years is 12.4.

The damage resulting from these infections has not varied greatly in recent years. In 1924 there were 20,822 sick days and in 1923 there were 20,133. The daily average number of patients on the sick list with cellulitis in 1924 was 47.8 and the corresponding median for the preceding five years is 47.3. The average number of sick days for all admissions was 13.4 during the year under review as compared with 14.1 in the median year of the preceding five.

In many cases, infection of the subcutaneous tissues does not require admission to the sick list, and in other cases infection is associated with wounds and other injuries for which the patient is admitted to the sick list under an injury title. On the other hand, doubtless, injuries of a trivial character for which admission to the sick list in the first instance was not deemed necessary were responsible for many of the 1,551 cellulitis admissions. The morbidity data do not permit differentiation between cases following injury and those that were not traumatic in origin. Traumatic lesions of the skin are responsible in so many cases, however, that the admission figures from year to year have some bearing on the question of efficiency of first-aid treatment of minor injuries.

Cellulitis was charged as the primary cause of one death during the year. The secondary cause was septicemia. The infection spread from a pimple on the ear as a result of scratching.

Cellulitis led to invaliding from the service by reason of permanent disability in three cases. Forty-one operations of sufficient magnitude to be listed among surgical operations were performed on account of cellulitis.

The parts of the body affected in the 1,551 cases of cellulitis reported were: Upper extremity, 502; lower extremity, 931; neck, 16; head, 99; body, 2; multiple, 1.

ABSCESS

Class XIII includes miscellaneous abscesses. It does not include those of special character, such as abscess of the brain, peritonsillar abscess, abscess of the lung or liver, abscess about the rectum, etc. These are considered in their proper classes.

There were 828 admissions for abscess other than those having such special relationship, making the admission rate 694 per 100,000. The median admission rate of the preceding five years is 1,018. There were no deaths. These figures of course do not include a certain number of small abscesses which were incised and dressed without admitting the patients to the sick list.

Abscesses not otherwise classified were responsible for 14,191 sick days, which is the equivalent of 38.9 patients constantly on the sick list per 100,000 of personnel. The median for the preceding five years is 40.5. The average number of sick days for all admissions was 17.1, which is a little higher than the median experience, 1919–1923, 14.4.

The parts of the body affected in the 828 cases of abscess reported in this class were:

Abdomen	11	Pelvic region	27
Axilla	40	Rectum	43
Back	6	Scrotum	10
Chest	16	Teeth	21
Head	103	Testicle	1
Neck	37	Upper extremity	197
Penis	4		
Lower extremity	312	Total	828

A furuncle, except in cases of generalized furunculosis, is reportable as abscess, unqualified.

FURUNCULOSIS

There were 415 cases of furunculosis which, for one reason or another, required admission to the sick list in 1924. The admission rate was only 348 per 100,000, which is 65.8 per cent less than the median for the preceding five years—1,019.

Furuncles in the axilla and neck caused one death. The secondary causes were septicemia and broncho-pneumonia. Furunculosis was charged as the primary cause of 3 deaths in 1919, 6 in 1920, 3 in 1921, 1 in 1922, and none in 1923.

CARBUNCLE

There were 104 admissions, making the admission rate 87 per 100,000. The median for the preceding five years is 67. A carbuncle of the nose caused one death. The secondary causes were septicemia and thrombosis of a cerebral sinus.

The parts of the body affected in these 104 cases were: Arm, 3; back, 13; buttock, 1; chest, 1; face, 2; finger, 2; forearm, 5; forehead, 1; hand, 3; head, 1; hip, 3; leg, 1; lips, 4; multiple, 1; neck, 53; nose, 1; pelvic region, 1; shoulder, 4; thigh, 1; and wrist, 3.

ERYSIPELAS

There were only 27 admissions, or 23 per 100,000, as compared with 36, the median for the years 1919–1923. No death was charged to erysipelas either as a primary or secondary cause. There were 614 sick days, or an average of 22.7 per case.

RHEUMATIC FEVER

Rheumatic fever as an acute infectious disease is included in this class but in view of its relationships with other forms of arthritis it is discussed in connection with acute and chronic arthritis under diseases of the motor system.

DISEASES OF THE DIGESTIVE SYSTEM

This is a large class, embracing 86 diagnostic titles. All acute and chronic inflammatory diseases of the digestive tract, exclusive of Vincent's angina and acute and chronic diseases of the tonsils, are included, as well as functional disorders, malformations, and mechanical difficulties. Diseases of the rectum are included. Neoplasms are not; all new growths are recorded in Class XXIII, Tumors. In former years Vincent's angina and hypertrophy of tonsils were shown in this class. Both were among the leading causes of class admissions. With the revised classification effective from January 1, 1924, Vincent's angina is included among the common communicable diseases in Class VIII, transmissible by oral and nasal discharges, and all cases of hypertrophy of tonsils are listed as chronic tonsillitis in Class V, a new class for diseases of the ear, nose, and throat.

In 1924, total admissions for the class, diseases of the digestive system, were 5,109, or 7.7 per cent of all admissions. The class stood fourth among all classes. The admission rate was 42.83 per 1,000.

Diseases of the digestive system were responsible for 118,308 sick days, or about 9 per cent of total sick days, and for 26 deaths or 11.8 per cent of all deaths resulting from disease. Seventy-two officers or enlisted men were invalided from the service with diseases of the digestive system. These represented 3.2 per cent of all invalided on account of disease.

The following table shows the 10 leading causes which accounted for 89 per cent of class admissions and 77 per cent of class sick days, and certain other causes which may be of interest, in the order of standing, including all associated with fatalities or invaliding from the service.

Cause	Order of standing	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Appendicitis, acute	(1)	775	24,277	10	1	0
Gastroenteritis, acute	(2)	589	4,304	2	0	0
Enteritis, acute	(3)	495	2,727	0	0	0
Hemorrhoids	(4)	395	8,879	0	0	0
Cholangitis, acute	(5)	381	7,755	0	0	0
Appendicitis, chronic	(6)	345	13,931	1	1	0
Gastritis, acute	(7)	283	2,546	0	0	0
Constipation	(8)	280	3,140	0	4	1
Autointoxication, intestinal	(9)	159	1,317	0	0	0
Gastritis, chronic	(10)	120	7,747	0	26	7
Abscess about rectum	(11)	62	1,616	0	0	0
Fistula in ano	(12)	52	2,652	0	2	1
Ulcer, duodenum	(14)	41	3,909	5	12	0
Cholecystitis, acute	(15)	40	1,605	0	0	0
Cholecystitis, chronic	(16)	29	2,246	0	3	1
Ulcer, stomach	(17)	28	3,457	1	9	2
Gastroduodenitis	(19)	16	456	0	1	0

Cause	Order of standing	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Colitis, chronic	(20)	9	483	0	3	0
Gallstones	(21)	9	500	0	0	0
Cholangitis, chronic	(25)	7	307	0	0	0
Splanchnoptosis	(26)	5	368	0	1	0
Stomatitis, unclassified	(28)	5	172	0	1	1
Obstruction, intestinal, from internal causes	(32)	3	225	1	0	0
Peritonitis, general acute	(33)	3	197	1	0	1
Sprue	(36)	3	327	0	1	0
Gastroptosis	(37)	3	324	0	4	2
Cirrhosis, liver, atrophic	(38)	3	296	0	0	0
Abscess, subphrenic	(42)	2	142	0	1	0
Pancreatitis, acute	(44)	2	0	2	0	0
Cirrhosis, liver, hypertrophic	(45)	1	121	1	0	0
Prolapse, rectum	(46)	1	78	0	1	0
Atrophy, liver, yellow, acute	(53)	1	21	1	0	0
Abscess, liver	(54)	1	67	1	1	0
Total for entire class	----------	4, 284	99, 185	26	72	15

Admission rates for the whole class, by age groups, were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11, 125	492	44. 23
20–24	1, 215	43	35. 39	44, 320	1, 723	38. 87
25–29	1, 925	101	52. 47	17, 500	640	36. 57
30–34	1, 939	101	52. 09	8, 528	305	35. 76
35–39	1, 782	87	48. 82	4, 023	122	30. 33
40–44	1, 178	60	50. 93	1, 287	51	39. 63
45–49	667	20	29. 99	448	18	40. 18
50–54	323	15	46. 44	148	3	20. 27
55–59	139	6	43. 17	38	2	52. 63
60–64	44	1	22. 73	16	1	62. 50
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9, 212	434	47. 11	87, 437	3, 357	38. 40

APPENDICITIS

There were 925 admissions to the sick list for acute appendicitis and 733 surgical operations.

Acute appendicitis was charged as the primary cause of 10 deaths. The indicated case fatality rate for operated cases was therefore 1.4 per cent, and for all cases (925), 1.1 per cent. In 1923 these case fatality rates were, respectively, 2.5 per cent and 2 per cent. The secondary causes of death assigned in the fatal cases were pulmonary embolism, 1; infarct of the lung, 1; acute general peritonitis, 3; lobar pneumonia, 1; and effect of ether anesthesia in conjunction with shock, 2. In two cases no secondary cause was assigned.

There were 411 admissions for chronic appendicitis, with an average of 40.4 sick days for these cases. Four hundred and four surgical operations were performed. There was one death. The secondary cause assigned was acute dilatation of the heart.

One enlisted man of the Navy was invalided from the service with chronic appendicitis and one with permanent disability ascribed to acute appendicitis.

DISEASES OF THE EAR, NOSE, AND THROAT

This is the first year in which diseases of the ear, nose, and throat have been considered together. With the revised classification adopted January 1, 1924 a new class, designated Class V, was formed by taking the titles formerly listed as diseases of the ear and adding other titles some of which in former years were included among diseases of the digestive system.

Class V has 48 titles. It stood fifth among the 27 classes covering all diseases and injuries. There were 4,011 admissions per 100,000 of personnel, or 7.2 per cent of total admissions.

Under titles in this class there were 238 per 100,000 constantly on the sick list, and the sick days represented 7.8 per cent of all sick days. There were 5, or 2.4 per cent, of the deaths caused by disease. Permanent disability resulted in 171 cases, representing 7.5 per cent of the officers and enlisted men invalided from the service for disease.

Death occurred in one case of chronic tonsillitis following tonsillectomy, the secondary cause being hemorrhage from the tonsillar artery. Chronic otitis media was charged as the primary cause of one death; the secondary cause was thrombosis of cerebral sinus. Peritonsillar abscesses caused two deaths. In one the secondary cause was acute endocarditis and in the other broncho-pneumonia with acute pericarditis. One death was charged to Ludwig's angina complicated by septicemia. The cases in which permanent disability led to invaliding from the service are indicated below.

The first 10 titles which together accounted for 90.7 per cent of class admissions and 81.8 per cent of class sick days were, in order of standing, chronic tonsillitis; deviation of nasal septum; acute pharyngitis; acute otitis media; chronic otitis media; otitis, externa; inflammation of the frontal sinus; acute laryngitis; and acute rhinitis. The following diseases caused one or more deaths or led to invaliding from the service:

Cause	Admission rate per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service	Disability originated prior to entering service
Tonsillitis, chronic	1,401	23,747	1	5	3
Deviation, nasal septum	543	12,254	0	1	1
Otitis media, chronic	234	14,673	1	106	49
Abscess, peritonsillar	160	2,177	2	0	0
Sinusitis, frontal	154	4,747	0	12	3
Sinusitis, maxillary	84	2,680	0	3	2
Sinusitis, ethmoidal	62	2,144	0	3	1
Mastoiditis, acute	33	2,320	0	1	0
Mastoiditis, chronic	16	2,168	0	6	0
Deafness, bilateral	15	867	0	9	1
Deafness, unilateral	13	532	0	5	3
Rhinitis, atrophic	9	685	0	8	5
Otitis, interna	5	328	0	3	0
Laryngitis, chronic	5	657	0	6	1
Angina, Ludwig's	2	38	1	0	0
Paralysis, vocal cords	2	179	0	1	0
Pansinusitis	1	60	0	2	0
Total for entire class	4,011	86,745	5	171	69

Of the 171 patients invalided from the service, the disability originated prior to enlistment in 69 cases.

Admission rates for the whole class by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	650	58.43
20–24	1,215	32	26.34	44,320	1,792	40.43
25–29	1,925	92	47.79	17,500	556	31.77
30–34	1,939	85	43.84	8,528	216	25.33
35–39	1,782	72	40.40	4,023	91	22.62
40–44	1,178	44	37.35	1,287	17	13.21
45–49	667	16	23.99	448	5	11.16
50–54	323	11	34.06	148	0	0
55–59	139	5	35.97	38	0	0
60–64	44	2	45.45	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	359	38.97	87,437	3,327	38.06

CHRONIC TONSILLITIS AND HYPERTROPHY OF TONSILS

There were 1,671 admissions for chronic tonsillitis, which figure includes cases of enlarged tonsils admitted for tonsillectomy. Reports of surgical operations show that altogether 2,646 tonsillectomies were performed. The latter figure obviously includes patients other than officers and enlisted personnel. There was one death from secondary hemorrhage.

DISEASES OF THE EYE

This class now includes 69 titles. It stood thirteenth among the 27 classes covering all diseases and injuries, causing 719 admissions per 100,000 of personnel, or 1.4 per cent of total admissions. There were 63 per 100,000 of personnel constantly on the sick list, and the sick days represented 2.4 per cent of all sick days.

There were no deaths. In 104 cases patients were invalided from the service because of permanent disability, but in 55 of the 104 the disability was considered to have been acquired prior to entry into the service.

In this class, admissions were divided in considerable numbers among many titles. Catarrhal conjunctivitis stood first according to numbers of admissions, causing 22.52 per cent of class admissions and 10.5 per cent of class sick days. The second title, iritis, was responsible for 10.6 per cent of the admissions and 11.2 per cent of class sick days. There were gradual percentage decreases down through the other titles.

The following table shows data for titles which may be of interest, in the order of standing, including all associated with fatalities or invaliding from the service:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service	Disability originated prior to entering service
Conjunctivitis, catarrhal	162	2,414	0	3	1
Iritis	76	2,575	0	0	0
Astigmatism	62	1,508	0	15	12
Ulcer, cornea	49	1,238	0	3	0
Pterygium	48	1,447	0	0	0
Hypermetropia	43	814	0	7	7
Hordeolum	26	144	0	0	0
Conjunctivitis, purulent	20	391	0	0	0
Retinitis	19	921	0	8	5
Conjunctivitis, unclassified	19	256	0	1	1
Choroiditis	18	1,847	0	11	1
Neuritis, optic	18	1,602	0	4	3
Chalazion	16	137	0	0	0
Conjunctivitis, follicular	15	547	0	1	1
Insufficiency, ocular muscle	14	1,116	0	9	6
Myopia	14	729	0	9	4
Keratitis	9	459	0	1	0
Dacryocystitis	9	508	0	1	0
Trachoma	6	478	0	7	5
Strabismus	6	405	0	3	3
Conjunctivitis, phlyctenular	6	340	0	0	0
Amblyopia	5	241	0	2	1
Opacity, cornea	5	171	0	4	1
Paralysis, ocular muscle	5	433	0	0	0
Blepharitis	4	64	0	0	0
Cataract	3	540	0	6	1
Iridocyclitis	3	277	0	1	0
Neuroretinitis	3	273	0	1	0
Opacity, vitreous humor	3	131	0	1	1
Scleritis	3	29	0	0	0
Blindness, unilateral	3	329	0	1	0
Color blindness	3	14	0	0	0
Hemianopsia	2	137	0	0	0
Synechia	2	16	0	0	0
Presbyopia	2	7	0	0	0
Blindness, bilateral	1	109	0	2	1
Detachment, retina	1	100	0	1	0
Panophthalmitis	1	60	0	1	0
Hypcresthesia, retina	1	46	0	0	0
Ophthalmoplegia	1	38	0	1	0
Cyclitis	1	20	0	0	0
Kerato-iritis	1	12	0	0	0
Stenosis, nasal duct	1	11	0	0	0
Entropion	1	10	0	0	0
Trichiasis	1	6	0	0	0
Conjunctivitis, vernal	1	5	0	0	0
Cramp, ciliary muscle	1	3	0	0	0
Papillitis	0	24	0	1	1
Total	719	22,983	0	104	55

Admissions for foreign body in the eye are not included in the above table. Such cases are reportable as injuries, further classed according to the nature of the accident. In some cases, where admission was not considered necessary for removal of the foreign body and admission subsequently became necessary for conjunctivitis, ulcer of the cornea or other lesion, the case may not have been recorded as resulting from injury, and it is probable that the figures given above include a number of such cases. There were only 68 admissions during the year for foreign body in the eye.

The cases of conjunctivitis listed as unclassified in the above table were reported with respect to origin as follows: Hypertrophic, 2; staphylococcus, 3; diplococcus (Morax-Axenfeld), 2; streptococcus, 1; chemical irritant (iodine), 1; traumatic, 8; cause unknown, 6.

In addition to these, nine cases of gonorrhoeal ophthalmia were reported. No case of gonococcus infection of the eye led to invaliding from the service in 1924.

Admission rates for diseases of the eye and adnexa, by age groups, were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	90	8.09
20–24	1,215	4	3.29	44,320	280	6.32
25–29	1,925	11	5.71	17,500	111	6.34
30–34	1,939	7	3.61	8,528	43	5.04
35–39	1,782	8	4.49	4,023	33	8.20
40–44	1,178	4	3.40	1,287	7	5.44
45–49	667	4	6.00	448	5	11.16
50–54	323	2	6.19	148	0	0
55–59	139	1	7.19	38	2	52.63
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	41	4.45	87,437	571	6.53

DISEASES OF THE GENITO-URINARY SYSTEM (NONVENEREAL)

This class includes, in addition to acute and chronic diseases of the kidney and bladder, all nonvenereal affections of the genital organs. The class stood ninth among all classes in 1924, as in previous years, being responsible for 2.2 per cent of all admissions to the sick list, 2.8 per cent of total sick days, 9.4 per cent of the deaths from disease, and 2.8 per cent of all cases leading to invaliding from the service by reason of disease. The admission rate was 12 per 1,000 and the death rate 16.8 per 100,000.

There are 56 titles in the class. The first 10 in the order of frequency with which admissions were recorded are shown in the following table:

Diseases of genito-urinary system (nonvenereal), Class VII, 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days
Redundant prepuce	(1)	39.13	(1)	8.28
Orchitis (nonvenereal), acute	(2)	8.38	(8)	4.29
Epidymitis (nonvenereal), acute	(3)	5.87	(9)	3.89
Phimosis	(4)	5.10	(11)	3.14
Enuresis	(5)	4.40	(4)	6.83
Nephritis, chronic	(6)	4.19	(2)	13.38
Nephritis, acute	(7)	3.91	(3)	7.13
Hydrocele	(8)	3.84	(6)	5.08
Cystitis (nonvenereal), acute	(9)	3.77	(10)	3.86
Pyelitis, acute	(10)	2.79	(7)	4.39

The following caused one or more deaths or led to invaliding from the service:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Enuresis	53	2,100	0	9	7
Chronic nephritis	50	4,111	10	29	2
Acute nephritis	47	2,191	6	3	1
Hydrocele	46	1,562	0	2	1
Acute pyelitis	34	1,348	1	1	0
Chronic pyelitis	19	1,662	0	5	0
Stricture of urethra	18	805	0	1	0
Albuminuria	17	551	0	3	0
Chronic cystitis	10	710	0	1	0
Pyelonephritis	8	638	2	0	0
Nephroptosis	7	391	0	3	0
Stricture of ureter	4	224	0	1	1
Hydronephrosis	3	470	0	2	1
Chronic prostatitis	3	220	0	3	1
Enlarged prostate gland	2	165	1	0	0
Chronic orchitis	2	64	0	1	1
Totals for entire class	1,200	30,735	20	64	15

Admission rates for the class as a whole, by age groups, were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	175	15.73
20–24	1,215	10	8.23	44,320	591	13.33
25–29	1,925	14	7.27	17,500	187	10.69
30–34	1,939	18	9.28	8,528	84	9.85
35–39	1,782	13	7.30	4,023	28	6.96
40–44	1,178	9	7.64	1,287	3	2.33
45–49	667	5	7.50	448	2	4.46
50–54	323	3	9.29	148	1	6.76
55–59	139	1	7.19	38	0	0
60–64	44	1	22.73	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	74	8.03	87,437	1,071	12.25

DISEASES OF THE MOTOR SYSTEM

This class includes 58 titles covering diseases of the bones, joints, and muscles. It stood tenth among all classes, including injuries and poisoning, being responsible for only 2 per cent of all admissions to the sick list but causing 4.6 per cent of all sick days. No title in the class was charged as a cause of death in 1924. As might be expected, various diseases of the motor system led to invaliding from the service. Altogether the class was responsible for invaliding with permanent disability in 311 cases, or 13.7 per cent of the total resulting from disease. In just about half of these disability was considered to have originated prior to entry into the service.

The admission rate was 11.20 per 100,000.

The following table shows the 10 leading titles in the order of standing according to number of admissions, and in addition all other titles under which officers or enlisted men were invalided from the service:

Cause	Admissi ns per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Flat foot	180	7,999	0	117	73
Arthritis, acute	166	5,414	0	4	1
Rheumatism, muscular	165	5,388	0	17	5
Myositis, acute	154	1,255	0	0	0
Arthritis, chronic	98	10,243	0	60	14
Bursitis, acute	44	695	0	0	0
Union of fracture faulty	41	3,085	0	40	26
Osteomyelitis	32	3,760	0	9	1
Synovitis, acute	32	842	0	2	1
Bursitis, chronic	22	921	0	3	0
Hammer toe	21	1,060	0	4	4
Hypertrophy, bone	16	652	0	3	2
Periostitis, chronic	15	1,055	0	3	2
Contracture	13	1,387	0	11	6
Synovitis, chronic	12	1,050	0	6	3
Myositis, chronic	11	624	0	2	2
Ankylosis	10	926	0	11	3
Amputation, stump	5	637	0	4	1
Talipes	5	249	0	4	3
Hernia, muscle, fascia, tendon, or sheath	5	246	0	1	1
Curvature, spine	5	102	0	3	1
Loss of substance of bone or cartilage	2	467	0	1	1
Floating cartilage in joint	2	137	0	1	1
Metatarsalgia	2	108	0	1	0
Coxa vara	1	117	0	1	0
Genu valgum	1	65	0	1	1
Exuberant callus	1	41	0	1	1
Pes cavus	0	87	0	1	1
Totals for entire class	1,120	50,810	0	311	154

Although no death was registered under any title in this class, rheumatic fever, which is classed among infectious diseases, was the primary cause of death in two cases. In one case, acute endocarditis was given as the secondary cause and in the other cellulitis.

Data for all forms of arthritis, including rheumatic fever (Class XIII) and muscular rheumatism, were as follows:

Cause	Admissions	Rate per 100,000	Sick days	Rate per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Rheumatic fever	297	249	15,581	13,062	2	19	6
Acute and chronic arthritis	315	264	18,676	15,657	0	64	15
Muscular rheumatism	197	165	6,427	5,388	0	17	5
Total	809	678	40,684	34,107	2	100	26

Admission rates for the entire class, diseases of the motor system, by age groups, were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	126	11.33
20–24	1,215	6	4.94	44,320	441	9.95
25–29	1,925	12	6.23	17,500	171	9.77
30–34	1,939	17	8.77	8,528	73	8.56
35–39	1,782	15	8.42	4,023	56	13.92
40–44	1,178	18	15.28	1,287	14	10.88
45–49	667	5	7.50	448	5	11.16
50–54	323	3	9.29	148	3	20.27
55–59	139	1	7.19	38	1	26.32
60–64	44	2	45.45	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	79	8.58	87,437	890	10.18

DISEASES OF THE SKIN

This class has 73 titles. It covers all diseases of the skin, hair, and nails, exclusive of those classified as diseases caused by fungi and animal parasites (Class XXII) and exclusive of neoplasms (Class XXIII). The class, diseases of the skin stood eleventh among all classes in 1924. It was thirteenth in 1923 and seventeenth during the three years before that. However, there was no actual increase in the prevalence of skin diseases. The admission rate, 962 per 100,000, was lower than the median. The rates for preceding years are: 1923, 992; 1922, 1,120; 1921, 1,065; 1920, 1,076.

In 1924 this class was responsible for 1.7 per cent of total admissions and for 2.3 per cent of all sick days. Thirty-two cases led to invaliding from the service. These represented 1.4 per cent of the total invalided by reason of disease. There were no deaths.

The following table shows the 10 leading titles under which 73 per cent of class admissions and 71 per cent of class sick days were recorded:

Diseases of skin, hair, and nails, Class XIX, 1924

Cause of morbidity	Order of frequency	Per cent of class admissions	Standing based on sick days	Per cent of class sick days
Ingrowing nail	1	20.30	2	12.50
Eczema	2	12.80	1	20.16
Impetigo contagiosa	3	8.36	6	4.67
Ulcer, skin	4	7.58	3	12.41
Dermatitis, venenata	5	6.01	9	2.89
Uriticaria	6	4.97	12	2.14
Dermatitis, unclassified	7	4.62	5	5.21
Cicatrix, skin	8	3.22	4	7.50
Herpes zoster	9	2.70	17	1.16
Pityriasis rosea	10	2.18	11	2.15

The following diseases led to invaliding from the service. The last column indicates, of the number of patients invalided, the number of cases in which the disease originated prior to entry into the service.

Cause	Admission rate per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Eczema	123	5,142	0	7	0
Ulcer, skin	73	3,164	0	5	0
Dermatitis, unclassified	44	1,329	0	1	0
Cicatrix, skin	31	1,911	0	5	3
Acne	20	1,136	0	1	0
Callosity	20	434	0	1	1
Psoriasis	18	1,883	0	5	1
Clavus	16	467	0	1	0
Sycosis	3	163	0	1	0
Nevus	3	92	0	1	1
Impetigo herpetiformis	2	121	0	1	0
Keloid	2	31	0	1	0
Pemphigus	1	25	0	1	0
Lupus erythematosus	0	241	0	1	0
Total for entire class	962	25,501	0	32	6

The 44 admissions with dermatitis were for the following forms: Atrophic, 1; exfoliative, 4; macular, 2; maculopapular, 2; medicamentosa, 9; occupational, 2; papular, 3; pompholix, 3; pustular, 1; simplex, 3; traumatic, 4; unclassified, 9; vesicular, 1.

There were 69 admissions (58 per 100,000) for dermatitis venenata, resulting from the following causes: Boiler compound, 1; chlorazene, 2; lye, 3; machine oil, 2; mercury, 2; paint, 2; poison ivy and poison oak, 48; poisonous dye, 1; salicylic acid, 2; sulphur ointment, 2; unclassified, 4.

Admission rates for the entire class, diseases of the skin, by age groups, were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	140	12.58
20–24	1,215	9	7.41	44,320	404	9.11
25–29	1,925	7	3.64	17,500	110	6.29
30–34	1,939	8	4.13	8,528	41	4.81
35–39	1,782	3	1.68	4,023	26	6.46
40–44	1,178	6	5.09	1,287	9	6.99
45–49	667	3	4.50	448	1	2.23
50–54	323	1	3.10	148	3	20.27
55–59	139	1	7.19	38	1	26.32
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	38	4.12	87,437	735	8.41

DISEASES OF THE LYMPHATIC SYSTEM

This class contains only seven titles, and some of these are more or less general in character.

The class was responsible for only 1.1 per cent of total admissions and 1.8 per cent of all sick days. Two deaths, attributed to status lymphaticus, represent 0.9 per cent of all deaths resulting from disease.

The following table shows the standing of titles within the class, together with admission rates and numbers of cases leading to invaliding from the service:

Cause	Admission rate per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Bubo, inguinal (nonvenereal)	409	15,095	0	1	0
Lymphadenitis	147	4,542	0	2	1
Lymphangitis	45	358	0	0	0
Status lymphaticus	3	59	2	2	2
Lymphangiectasis	1	44	0	0	0
Hodgkin's disease	1	41	0	0	0
Elephantiasis, nonfilarial	1	13	0	0	0
Totals for entire class	607	20,153	2	5	3

Five discharges with permanent disability represent 0.2 per cent of all cases invalided from the service by reason of disease.

In previous years 75 or 80 per cent of the admissions for diseases in this class were reported as for acute lymphadenitis. In 1924 less than 25 per cent were so reported and 67 per cent were recorded as nonvenereal inguinal bubo. This title was added to the nomenclature because of the represented need for a title specifically to cover so-called tropical bubo. This condition can not be sufficiently well defined at present for statistical purposes to justify the use of a title intended solely for cases of tropical bubo. The term, nonvenereal inguinal bubo, is intended for all buboes other than those resulting from venereal infection, whether regarded as idiopathic in origin or traceable to abrasions or other lesions of the skin.

All morbidity reports notifying nonvenereal bubo cases have been carefully edited and letters have been written in an endeavor to make sure that venereal cases have not been reported under this title. Nevertheless, it is doubtful if all such cases have been excluded. It is not possible to judge from the returns. There were just about the same number of admissions for nonvenereal inguinal bubo and lymphadenitis together, 556 per 100,000, as there were in 1923 for lymphadenitis, 544 per 100,000, before the title for inguinal bubo, nonvenereal, was added to the nomenclature.

Admission rates by age groups in 1924 were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	65	5.84
20–24	1,215	2	1.65	44,320	289	6.52
25–29	1,925	1	.52	17,500	121	6.91
30–34	1,939	3	1.55	8,528	38	4.46
35–39	1,782	0	0	4,023	14	3.48
40–44	1,178	2	1.70	1,287	2	1.55
45–49	667	1	1.50	448	2	4.46
50–54	323	1	3.10	148	0	0
55–59	139	0	0	38	0	0
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	10	1.09	87,437	531	6.07

DISEASES OF THE NERVOUS SYSTEM

With revision of the United States Navy Nomenclature and Classification of Diseases and Injuries, the title neurasthenia was taken from this class and placed among the psychoneuroses in the class, "Diseases of the mind." The class, "Diseases of the nervous system," includes hemorrhage and other lesions of the brain as well as affections of the peripheral nerves and certain habit conditions. Epilepsy, except epilepsy associated with a psychosis, is included.

Diseases of the nervous system stood nineteenth among all classes, causing about one-half of 1 per cent of total admissions to the sick list, and 1.6 per cent of all sick days. The admission rate for the class was 319 per 100,000 of personnel. There were 7 deaths, or 3.3 per cent of all deaths caused by diseases and 132 invalidings from the service or 6 per cent of the total resulting from disease; but of these cases disability was regarded as having originated prior to enlistment in 79 cases.

The leading cause of admissions was epilepsy, which was responsible for 23.9 per cent of class admissions and 22.9 per cent of class sick days. This was followed by neuritis, with 21.8 per cent of admissions and 22.2 per cent of sick days. Paralysis, peripheral nerve, followed with about half as many admissions. Other titles in succession with gradually decreasing numbers of admissions and sick days were, hiccough, neuralgia, effort syndrome, and migraine.

The titles under which one or more deaths were registered or invaliding from the service was recorded are as follows:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Epilepsy	76	4,081	1	67	53
Neuritis	70	3,963	0	8	3
Paralysis, nerve	38	2,326	0	5	0
Neuralgia	23	374	0	1	0
Effort syndrome	19	1,222	0	14	8
Tabes dorsalis	7	1,256	0	2	0
Neurosis, traumatic	7	690	0	13	5
Hemorrhage, cerebral	6	537	4	2	0
Neuritis, multiple	5	480	0	2	0
Chorea	4	283	0	4	1
Epilepsy, Jacksonian	3	243	0	4	4
Stammering	3	136	0	1	1
Caisson disease	2	23	1	1	1
Poliomyelitis, anterior, chronic	1	383	0	1	0
Sclerosis, disseminated	1	149	0	2	1
Hemiplegia, old	1	132	0	2	0
Stuttering	1	65	0	1	1
Sclerosis, lateral, amyotrophic	1	64	0	1	0
Pachymeningitis, cerebral	1	54	0	1	1
Meningitis, cerebrospinal	1	1	1	0	0
Totals for entire class	319	17,823	7	132	79

Admission rates for the class, by age groups, in 1924 were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	40	3.60
20–24	1,215	2	1.65	44,320	116	2.62
25–29	1,925	6	3.12	17,500	49	2.80
30–34	1,939	9	4.64	8,528	20	2.35
35–39	1,782	15	8.42	4,023	18	4.47
40–44	1,178	5	4.24	1,287	4	3.11
45–49	667	4	6.00	448	3	6.70
50–54	323	2	6.19	148	2	13.51
55–59	139	2	14.39	38	0	0
60–64	44	2	45.45	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	47	5.10	87,437	252	2.88

DISEASES OF THE MIND

With revision of the nomenclature which became effective January 1, 1924, 12 titles were added to this class; and terms which are not satisfactory when used alone, such as neurasthenia, psychasthenia, and hysteria, were further classed as separate forms of psychoneurosis.

Altogether the class was responsible for about 1 per cent of all admissions to the sick list and 4.5 per cent of total sick days. The admission rate was only 551 per 100,000 of total personnel.

Data indicating damage to the service are given in the following table for all titles under which admissions were recorded:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Psychoneurosis, neurasthenia	119	9,906	0	47	15
Dementia præcox	104	13,696	0	133	46
Constitutional psychopathic inferiority, without psychosis	75	4,194	0	64	58
Psychoneurosis, hysteria	75	3,614	0	35	23
Psychoneurosis, psychasthenia	21	2,226	0	17	7
Psychosis, unclassified	19	2,427	0	14	6
Constitutional psychopathic states, emotional instability	17	1,087	0	16	13
Psychosis, manic depressive	16	2,211	0	17	5
Dementia paralytica	15	3,790	0	8	6
Constitutional psychopathic states, inadequate personality	14	905	0	15	13
Mental deficiency	13	699	0	11	11
Psychosis intoxication, alcoholic	9	277	1	1	1
Paranoid state	8	945	0	3	0
Somnambulism	7	318	0	4	3
Psychoneurosis, unclassified	6	454	0	3	1
Psychoneurosis, war neurosis	5	562	0	3	3
Psychosis, traumatic	4	91	0	2	2
Constitutional psychopathic states, sexual psychopathy	3	578	0	4	3
Constitutional psychopathic states, paranoid personality	3	342	0	3	2
Psychosis, epileptic	3	280	0	3	2
Hypochondriasis	2	102	0	1	1
Psychosis with organic brain disease	1	200	0	2	0
Constitutional psychopathic states, criminalism	1	76	0	1	1
Totals for entire class	551	49,538	1	407	222

Figures combined for all diseases forming this class are not very useful in view of the multiplicity and diversity of primary and secondary causes associated with the different titles which altogether are intended to cover all forms of mental disease, emotional disorders, and defects of intellect. The statistics are therefore given for each title separately. A rough division of all titles into two groups may be made for the purpose of bringing out differences in admission rates for the several general occupational groups into which the Navy and Marine Corps are divided for the purposes of vital statistics. The first group includes titles which give the greatest weight to the dementias and intellectual defects and the second to emotional disorders. This division is practicable because two titles in the first group, dementia præcox and constitutional psychopathic inferiority without psychosis, cover 33 per cent of all class admissions; and two titles in the second group, neurasthenia and hysteria, covered 35 per cent. Admissions in small numbers were pretty evenly divided among the remaining titles. With all titles in the class thus divided into two subclasses—subclass A representing, chiefly, defective intellect and dementia, and subclass B, chiefly, psychoneurosis—admission rates for general occupational groups of the Navy and Marine Corps were as follows:

Subclass A

Occupational group	Number in group	Specific rate per 100,000
Prisoners	926	864
Apprentice seamen	3,348	567
Marines	19,113	554
Fireroom force	13,619	396
Musicians	2,100	333
Hospital corpsmen	3,766	319
Seamen, other than apprentice seamen	33,904	315
Electricians	5,140	233
Aviation artificers	1,894	211
Engine-room force	6,188	178
Miscellaneous artificers	3,341	150
Officers, Navy and Marine Corps	9,212	130
Culinary force	7,116	127
Ordnance ratings	3,436	116
Clerical force	3,590	111
Midshipmen	2,100	0
Nurses	487	0
Total	119,280	314

Subclass B

Nurses	487	1,232
Clerical force	3,590	362
Officers, Navy and Marine Corps	9,212	337
Marines	19,113	330
Prisoners	926	324
Hospital corpsmen	3,766	292
Apprentice seamen	3,348	269
Electricians	5,140	253
Engine-room force	6,188	242
Miscellaneous artificers	3,341	209
Fireroom force	13,619	206
Seamen other than apprentice seamen	33,904	198
Ordnance ratings	3,436	175
Musicians	2,100	143
Culinary force	7,116	84
Aviation artificers	1,894	53
Midshipmen	2,100	48
Total	119,280	237

Admissions and sick days recorded for the various titles in this class represent but a small part of the impairment of health and efficiency in the Navy really caused by diseases and disorders that are fundamentally traceable either to mental deficiency or to emotional disorder. It is not likely that frank cases of mental disease escape record, for living and working conditions in the Navy are such that close contact exists between the men, and all men are under the close supervision of division officers and intelligent chief petty officers in comparatively small groups. Consequently it is hardly possible for an individual of peculiar mental make-up to be overlooked for any great length of time. Men who present manifestations of mental disorder are as a rule quickly brought to the attention of a medical officer.

However, there are all sorts of border-line conditions which truly enough must be regarded as mental disease or mental disorder from the viewpoint of the psychiatrist or psychologist. Although such cases may not lead to admission to the sick list under any of the titles found in the class "Diseases of the mind," the mental condition, usually involving some form of emotional disturbance, often does lead to admission under other titles, such as those for functional disorders of the heart and abdominal viscera, affections of the peripheral nerves, muscles, and deep joints, and for headache, backache, neuralgia, flat foot, varicocele, and certain other conditions. The psychological reactions in these cases essentially represent efforts on the part of the subconscious mind of the defective or badly trained, or, at any rate, inadaptable individual, to escape from conditions and conflicts which are found intolerable to that mind, although not necessarily trying to other individuals apparently subjected to the same conditions. Actual escape being impossible, an outlet is found in pain and functional derangements that pass as physical disease. The mechanism is essentially the same as in the more definite and prolonged mental disorders which constitute the various forms of psychoneurosis.

Among the enlisted men feeble-mindedness is bound to cause many problems. Of course, the greater degrees of mental deficiency are likely to be discovered early in the man's naval career; if not in the recruiting office, very shortly after his arrival at a naval training station. Imbeciles, even of the higher grades, are not likely to get beyond the recruiting office. Morons are not always to be recognized without observation for a considerable length of time.

Furthermore, there is no sharp line of demarcation to separate morons from other individuals of subnormal intellect. Intellectual capacity ranges through all degrees, from that of the definitely feeble-minded person to the thinking power of the superior normal or so-called intellectual type of individual.

Feeble-minded men often make excellent employees in civil life, if not too deficient in intellect. As a rule, such men are cheerful, patient, and faithful workers. They learn slowly, to be sure, but often become skillful or expert in routine work that does not require much independent thinking. The adult moron, of course has the mind of a child and always will have. To manage him successfully, he must be treated like a child. He differs from the growing child in that he has had many experiences without corresponding development of intellect.

But even in the case of mental deficiency with a quotient of intelligence considerably higher than that of the moron, outstanding characteristics are susceptibility to environmental influences, suggestibility, lack of self-control, and lack of judgment. Without friends of sound judgment to guide them, mental defectives of all grades are likely to get into trouble. The tendency is for them to follow their impulses and to seek associates among persons of their own mental level. The feeble-minded are not naturally bad. They are usually inoffensive, but evil associations and bad habits are often formed, largely because the condition of feeble-mindedness is not recognized. His behavior not being understood, the mentally deficient person is liable to be crossed at every turn because he can not thoroughly understand the purposes and ideas or ideals of intelligent persons. As a result of this he is liable to develop antisocial impulses in retaliation for real or imaginary grievances and gradually to drift into association with intelligent criminals or with men and women whose mentality is no better than his own. There is this connection with the venereal-disease problem. Feeble-minded persons can not compete with normal persons in most occupations; impelled by the primary instincts of self-preservation the result often is that acts which are ordinarily and properly regarded as offenses against society are committed.

Many individuals pass indefinitely for normal persons when in reality they are mentally deficient. An individual as low on the scale of intellect as a moron may have a good memory and a ready flow of conversation. However, feeble-minded persons have no real opinions of their own; they lack ability to draw conclusions from their own experiences or to engage in abstract reasoning. They lack real moral sense and real appreciation of right and wrong in proportion to the degree of the intellectual defect.

Unquestionably, men with the lesser degrees of defective intellect can fill positions among the lower ratings in the Navy in a very satisfactory manner if their habits are good. The trouble is that they are easily led by other persons, and life in the Navy is such that they can not be surrounded with a safe environment. There is always the likelihood that they will form vicious habits or habits that lead to frequent violations of disciplinary requirements or that they will become discontented and develop emotional disorders.

Morons and individuals who are mentally deficient in even less degree are a potential menace to the service because they lack good judgment and are prone to rebel against constituted authority and customs and regulations established for the common welfare. They stir up other men and make them discontented. They are dangerous because their lack of intelligence is frequently not recognized. They are often able to argue earnestly and appealingly, so that their associates frequently do not become aware of the fact that they are mentally deficient or emotionally disordered, as many of them also are.

Men with the lesser degrees of mental defect will continue to find their way into the Navy. They are found at all social levels and in all the trades and industries. Morons should be rejected, of course, and promptly eliminated from the service if they get in. There is no practical way of drawing the line through any higher mental level. Therefore, many problems will continue to arise which, if

analyzed, will be found to depend upon conditions and circumstances alluded to above. For this reason it is important that the characteristics and tendencies associated with mental deficiency be widely understood in the service and that mentally deficient individuals whose habits and behavior make them unsuitable for the Navy be eliminated as speedily as possible by discharge for inaptitude or as undesirable whether they are serving ashore or afloat.

Since mentally deficient persons are especially prone to develop emotional instability and emotional disturbance, with inability to face reality in mental conflict arising largely from their own lack of adaptability and power to adjust themselves to the mental environment, they are very apt to develop all sorts of symptoms in more or less unconscious refuge from realities which they are powerless to change or face. Many admissions to the sick list and many sick days under various diagnoses result.

Another phase of the health problem relating to mental disorders, involving a tendency to lead to admission to the sick list under various diagnostic titles not directly indicative of the underlying emotional condition, is created by individuals who have inherited tendencies to disorders of temperament or have developed tendencies culminating in the development of a personality difficult to deal with as the result of faulty training in early years. Certain individuals not in the least degree feeble-minded are especially liable to develop psychoneuroses as the result of inheritance and faulty training, but many more are merely of an unstable emotional make-up as a result of these combined influences, and these are difficult for associates and particularly for subordinates to live with. There are many persons with tendencies similar to those involved in manic-depressive psychoses who never do break down into manic-depressive insanity, either because sufficient stress is not encountered or the inherited or developed defects are not sufficiently serious. Nevertheless, such persons to a correspondingly limited degree are given to fits of depression or exaltation, which may or may not alternate; to flights of ideas and psychomotor excitations and moodiness or psychomotor retardation. In the more pronounced cases the individual is characteristically overenthusiastic, talkative, restless, excitable, scheming, erratic, flighty, hypererotic, or given to outbreaks of anger or violent rage, upon slight provocation. The victims of mental depression themselves frequently must be admitted to the sick list for various apparently unrelated causes. The exalted and excitable types of individuals cause other persons to go on the sick list. Disorders of temperament are expressed in all degrees of behavior from that which is scarcely to be recognized as abnormal to the pronounced forms. It is now pretty generally recognized that such traits and demeanors as uncalled-for austerity, pomposity, an inflated sense of dignity, strutting, etc., represent the outward manifestations of psychological compensation for inferiority not consciously felt but subconsciously recognized. This has given rise to the common saying that pomposity and inefficiency go together.

Among the enlisted men, cases of psychological disorder or inferiority not associated with feeble-mindedness not infrequently come to light, where, as a result of faulty inheritance or faulty training in earlier life, the individual is difficult to train and discipline, and while undergoing the process of discipline they often

present problems for the medical officer. Often, too, they create trouble among their associates, causing mental conflicts that are not without definite effect upon health and morale. Some are not amenable to discipline and eventually get out of the service by desertion, discharge for inaptitude, or sentence by court-martial.

It is among officers, however, that the most serious effects of emotional disorder and emotional disturbances may be produced, because the effects are felt by subordinates as well as associates in proportion to rank and authority. Irritability of temper and excitability have a far-reaching effect upon the health of subordinates by leading to worry, loss of sleep, mental unrest, anxiety, discontent, disaffection, neuroses, increased arterial hypertension etc. If statistical data could be analyzed sufficiently for the purpose, there is little doubt that an important relationship would be shown between defective mental hygiene and the degenerative changes of the arteries and vital organs associated with advancing years, as well as relationship to functional disorders, with reference to efficient performance of duties, physical well-being, and prolongation of life.

Among the principal objects of any system intended to promote mental hygiene it should be the aim to prevent or interdict excessive or unnecessary worry, to relieve anxiety complexes, and to avoid the placing of responsibility on persons who have demonstrated their inability to carry responsibility and exercise authority without harm to themselves, and, what is more important, their inability to perform their duties without serious effect upon the mental and physical health of associates and subordinates.

For the class, diseases of the mind, as a whole, admission rates by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	66	5.93
20–24	1,215	3	2.47	44,320	184	4.15
25–29	1,925	6	3.12	17,500	76	4.34
30–34	1,939	8	4.13	8,528	62	7.27
35–39	1,782	11	6.17	4,023	26	6.46
40–44	1,178	6	5.09	1,287	9	6.99
45–49	667	4	6.00	448	2	4.46
50–54	323	5	15.48	148	1	6.76
55–59	139	0	0	38	1	26.32
60–64	44	0	0	16	1	62.50
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	43	4.67	87,437	428	4.90

DISEASES OF THE RESPIRATORY SYSTEM

With the present classification, the common diseases—colds, acute bronchitis, etc.—are included among the communicable diseases transmissible by discharges from the mouth and nose; and other diseases of the upper respiratory tract among diseases of the ear, nose, and throat. This accounts for the fact that the class, Diseases of the respiratory system, is found to have stood as low as sixteenth among all classes, having caused less than 1 per cent of all admissions to the sick list and only 2.8 per cent of all sick days.

Abscesses of the lungs caused two deaths during the year and led to one discharge for permanent disability, but there were only two admissions, the patient in one case having been admitted in 1923.

Titles under which there were admissions to the sick list during the year are shown in the following table:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Bronchitis, chronic	295	17,249	0	86	30
Pleurisy, fibrinous	87	2,051	0	1	0
Pleurisy, serofibrinous	53	3,332	0	6	7
Asthma	44	3,141	0	17	5
Pleurisy, fibrinous, chronic	19	1,585	0	15	0
Pleurisy, suppurative	18	3,110	1	13	0
Bronchiectasis	3	230	0	0	0
Tracheitis	3	9	0	0	0
Pneumothorax	2	100	0	0	0
Hay fever	2	9	0	0	0
Abscess, lung	2	68	2	1	0
Emphysema, pulmonary	1	39	0	1	0
Hemoptysis	1	8	0	0	0
Pneumonia, interstitial	1	75	0	0	0
Total for entire class	529	30,988	3	140	42

Admission rates by age groups in 1924 were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	76	6.83
20–24	1,215	1	.82	44,320	231	5.21
25–29	1,925	7	3.64	17,500	85	4.86
30–34	1,939	15	7.74	8,528	33	3.87
35–39	1,782	7	3.93	4,023	25	6.21
40–44	1,178	7	5.94	1,287	6	4.66
45–49	667	3	4.50	448	4	8.93
50–54	323	4	12.38	148	1	6.76
55–59	139	0	0	38	0	0
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	44	4.78	87,437	461	5.27

DISEASES OF THE CIRCULATORY SYSTEM

Diseases of the heart and blood vessels while causing few admissions to the sick list in comparison with leading causes of morbidity already discussed, were as usual responsible for a number of deaths. Permanent disability led in 202 cases to invaliding from the service, but in 90 of these disability was considered to have originated prior to entry into the service.

The class altogether caused less than 1 per cent of all admissions to the sick list and 2.5 per cent of all sick days.

Data for titles under which admissions were recorded are given in the following table:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Varicocele	169	5,697	0	2	2
Varicose veins	55	2,819	0	9	8
Valvular heart disease, mitral insufficiency	44	3,307	1	63	24
Myocarditis, chronic	37	3,788	6	54	31
Tachycardia	34	1,813	0	17	4
Cardiac disorders, functional	26	1,275	0	10	8
Arterial hypertension	18	839	0	2	1
Phlebitis	18	1,399	0	3	1
Angioneurotic edema	11	175	0	1	1
Endocarditis, chronic	11	874	0	8	1
Myocarditis, acute	11	565	1	0	0
Valvular heart disease, combined lesions, aortic and mitral	10	999	2	7	1
Valvular heart disease, mitral stenosis	8	504	0	4	1
Dilatation, cardiac, acute	7	68	7	0	0
Endocarditis, acute	7	367	2	0	0
Valvular heart disease, aortic insufficiency	7	829	0	10	4
Pericarditis	6	442	2	1	0
Angina pectoris	5	48	3	0	0
Cardiac arrhythmia, auricular fibrillation	4	269	0	0	0
Cardiac arrhythmia, extra systole	4	254	0	3	1
Epistaxis	4	49	0	0	0
Aneurysm	3	198	2	1	0
Thrombosis	3	96	1	1	0
Arteriosclerosis, general	2	308	1	2	0
Cardiac arrhythmia, sinus arrhythmia	2	177	0	0	0
Bradycardia	2	7	0	0	0
Heart block	2	129	0	0	0
Valvular heart disease, pulmonic lesions	2	96	0	1	1
Embolism, cerebral	1	122	0	1	0
Embolism, lung	1	0	1	0	0
Valvular heart disease, tricuspid lesions	1	42	0	1	1
Aortitis	1	24	0	0	0
Endarteritis	1	33	0	0	0
Thrombosis, cerebral	0	89	0	1	0
Total for entire class	523	27,722	29	202	90

Admission rates for the class as a whole by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	72	6.47
20–24	1,215	0	0	44,320	223	5.03
25–29	1,925	2	1.04	17,500	67	3.83
30–34	1,939	10	5.16	8,528	28	3.28
35–39	1,782	10	5.61	4,023	17	4.23
40–44	1,179	5	4.24	1,287	10	7.77
45–49	667	10	14.99	448	2	4.46
50–54	323	5	15.48	148	2	13.51
55–59	139	3	21.58	38	0	0
60–64	44	1	22.73	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	46	4.99	87,437	421	4.82

DISEASES OF THE DUCTLESS GLANDS AND SPLEEN

Admissions were recorded in 1924 under 8 of the 18 titles forming the class. The class stood next to last among all classes, causing 0.1 per cent of all admissions to the sick list and only 0.5 per cent of total sick days.

Data for titles under which admissions occurred were as follows:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Diabetes, mellitus	18	2,995	2	15	3
Goiter	13	702	0	6	1
Hyperthyroidism	12	1,064	0	4	1
Goiter, exophthalmic	7	494	1	5	0
Hypothyroidism	2	35	0	0	1
Thyroiditis, chronic	2	39	0	1	0
Acromegalia	1	108	0	0	0
Splenitis	1	16	0	0	0
Thyroiditis, acute	0	0	0	1	0
Total for entire class	56	5,461	3	32	6

The patients having goiter or exophthalmic goiter were born and presumably grew up in the following States:

Place of birth	Exophthalmic	Goiter	Place of birth	Exophthalmic	Goiter
Arkansas	0	2	New York	2	1
California	0	1	Ohio	1	0
Idaho	0	1	Pennsylvania	0	2
Indiana	0	1	Tennessee	0	1
Kansas	1	1	Vermont	1	0
Kentucky	1	1	Virginia	1	1
Massachusetts	0	1	West Virginia	0	1
Michigan	1	1			
Minnesota	0	1	Total	8	16

Admission rates for this class by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	7	0.63
20–24	1,215	0	0	44,320	15	.34
25–29	1,925	0	0	17,500	13	.74
30–34	1,939	1	.52	8,528	4	.47
35–39	1,782	1	.56	4,023	4	.99
40–44	1,178	2	1.70	1,287	2	1.55
45–49	667	1	1.50	448	1	2.23
50–54	323	0	0	148	0	0
55–59	139	0	0	38	0	0
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	5	.54	87,437	46	.53

DISEASES OF THE BLOOD

There are 12 titles in this class, which stood last among all classes with an admission rate of only 26 per 100,000.

The following table shows the titles under which admissions were reported in the order of standing, together with admission rates, numbers of deaths, numbers of cases which led to invaliding from the service, and of the latter those in which the disability was regarded as having originated prior to entering the service:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Anemia, simple	11	525	0	0	0
Anemia, brain	3	31	0	0	0
Anemia, pernicious	3	317	1	0	0
Anemia, splenic	2	319	0	1	0
Purpura, hemorrhagica	2	243	0	0	0
Purpura, simplex	2	27	0	0	0
Blood donor	1	4	0	0	0
Hemophilla	1	179	0	2	2
Purpura, rheumatica	1	102	0	0	0
Leukemia	0	112	1	1	0
Total for entire group	26	1,860	2	4	2

Admission rates by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	2	0.18
20–24	1,215	0	0	44,320	9	.20
25–29	1,925	1	0.52	17,500	3	.17
30–34	1,939	1	.52	8,528	2	.23
35–39	1,782	1	.56	4,023	0	0
40–44	1,178	1	.85	1,287	0	0
45–49	667	1	1.50	448	0	0
50–54	323	0	0	148	0	0
55–59	139	0	0	38	0	0
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	5	.54	87,437	16	.18

TUMORS

There are 33 titles in this class covering malignant and benign new growths, the latter including such conditions as simple retention cyst or wen, ranula, other cystic growths, and phantom tumor.

Data for all cases reported in 1924 are as follows:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Cyst	49	1,175	1	0	0
Cyst, retention	35	376	0	0	0
Teratoma	18	945	0	0	0
Osteoma	16	1,170	0	6	2
Lipoma	13	264	0	0	0
Papilloma	13	474	0	0	0
Fibroma	8	283	1	0	0
Cystoma	7	480	0	0	0
Adenoma	5	186	0	1	0
Sarcoma	4	660	1	1	0
Tumor, benign, mixed	4	280	1	0	0
Epithelioma	3	200	0	0	0
Chondroma	2	148	0	1	0
Carcinoma	2	341	2	1	0
Neuroma	2	28	0	0	0
Tumor, malignant, mixed	2	109	1	0	0
Angioma	1	54	0	1	1
Myoma	1	24	0	0	0
Glioma	0	101	0	1	0
Total for entire class	184	7,300	7	12	3

The ages of patients admitted to the sick list for malignant tumors were as follows:

Age	Carcinoma	Epithelioma	Sarcoma	Tumor, malignant, mixed	Age	Carcinoma	Epithelioma	Sarcoma	Tumor, malignant, mixed
18			1		29				1
22		2			34		1		1
23			1		38	1			
25			1		42	1	1		
26			1						
28			1		Total	2	4	5	2

Admission rates by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	20	1.80
20–24	1,215	3	2.47	44,320	67	1.51
25–29	1,925	8	4.16	17,500	25	1.43
30–34	1,939	2	1.03	8,528	17	1.99
35–39	1,782	2	1.12	4,023	10	2.49
40–44	1,178	1	.85	1,287	7	5.44
45–49	667	2	3.00	448	0	0
50–54	323	1	3.10	148	2	13.51
55–59	139	0	0	38	1	26.32
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	19	2.06	87,437	149	1.70

DENTAL DISEASES AND CONDITIONS

In most cases dental operations are performed and conditions relating to the teeth are treated without admitting the patient to the sick list. There were, however, enough admissions and sick days to account for about 0.5 per cent of all admissions and about 0.6 per cent of total sick days. The admission rate was 248 per 100,000. No death was charged to any dental disease or condition.

There are 12 titles in the class. The statistical data for cases requiring admission to the sick list are as follows:

Cause	Per cent of class admissions	Admission rate per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Abscess, alveolar	38.5	96	1,283	0	0	0
Pyorrhea, alveolaris	16.9	42	2,762	0	1	1
Abscess, periapical	13.9	34	452	0	0	0
Impacted tooth	12.5	30	25	0	0	0
Gingivitis	9.8	24	697	0	0	0
Caries, teeth	7.4	18	483	0	0	0
Malocclusion, teeth	.7	2	136	0	0	0
Inflammation, dental pulp	.3	1	3	0	0	0
Toothache	.3	1	2	0	0	0
Total for entire class	100.0	248	6,359	0	1	1

Admission rates by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	24	2.16
20–24	1,215	5	4.12	44,320	86	1.94
25–29	1,925	8	4.16	17,500	41	2.34
30–34	1,939	5	2.58	8,528	24	2.81
35–39	1,782	6	3.37	4,023	15	3.73
40–44	1,178	3	2.55	1,287	7	5.44
45–49	667	5	7.50	448	3	6.70
50–54	323	5	15.48	148	4	27.03
55–59	139	2	14.39	38	2	52.63
60–64	44	0	0	16	2	125.00
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	39	4.23	87,437	208	2.38

HERNIA

Hernias caused about the same relative damage in 1924 as in 1923, being responsible for 0.77 per cent of all admissions to the sick list and 2.16 per cent of total sick days.

Data are as follows:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Hernia, inguinal	378	20,007	0	30	13
Hernia, recurrent, after operation	18	1,685	0	3	0
Hernia, ventral	14	1,131	0	4	1
Hernia, epigastric	7	214	0	0	0
Hernia, umbilical	5	428	0	0	0
Hernia, femoral	3	273	0	1	0
Hernia, lumbar	1	145	0	1	1
Enlarged inguinal ring	1	50	0	0	0
Total for entire class	428	23,934	0	39	15

Surgical operations planned for radical cure were performed in 451 cases of inguinal hernia, 17 cases of ventral hernia, 5 cases of femoral hernia, 5 cases of umbilical hernia, 7 cases of epigastric hernia, and 1 case of hernia in the lumbar region. There were, among all the cases treated during the year, 22 cases of recurrent hernia, but the records do not show how many of the patients had previously been operated upon in the Navy. Operations were again performed in 13 of the 22 cases. Eleven were considered to have been cured and two improved.

One officer and 38 enlisted men were invalided from the service because of hernia. In 11 of the cases there had been no operation and in 22 cases one. In 6 cases operation had been performed for recurrence.

Admission rates for hernia (all forms) by age groups were as follows:

Age group	Officers of the Navy and Marine Corps			Enlisted men of the Navy		
	Number in group	Admissions	Rate per 1,000	Number in group	Admissions	Rate per 1,000
16–19	0	0	0	11,125	66	5.93
20–24	1,215	1	0.82	44,320	188	4.24
25–29	1,925	1	.52	17,500	59	3.37
30–34	1,939	2	1.03	8,528	36	4.22
35–39	1,782	11	6.17	4,023	24	5.97
40–44	1,178	7	5.94	1,287	13	10.10
45–49	667	2	3.00	448	8	17.86
50–54	323	2	6.19	148	1	6.76
55–59	139	0	0	38	0	0
60–64	44	0	0	16	0	0
65–69	0	0	0	3	0	0
70–74	0	0	0	1	0	0
Total	9,212	26	2.82	87,437	395	4.52

MISCELLANEOUS DISEASES AND CONDITIONS

This class necessarily covers many unrelated diseases and conditions which for various reasons have not been put in other classes. There are 62 titles and many subtitles. Some of the titles relate to specific conditions, as, for example, alcoholism and narcotic drug addiction, seasickness, pellagra, and others. Some are general in

character, as diagnosis undertermined, headache, no disease, vertigo, defective physical development, etc. Admission on account of malformations, congenital or acquired, amputation stumps, etc., come under this class. Likewise admissions on account of severe reactions following prophylactic inoculations of serum, vaccine, etc.

It is not surprising that the class stood as high as eighth among all classes according to number of admissions. The fact that it accounted for only 2.6 per cent of all admissions and 3.7 per cent of all sick days rather indicates that medical officers in general exercised care in studying their cases and avoided nonspecific titles as much as possible. The titles "No disease" and "Diagnosis undetermined" are used for administrative purposes in effecting transfer of patients while on the sick list prior to establishing diagnosis and where healthy men are held in quarantine or under observation for one reason or another.

Altogether, the class was responsible for 1,515 admissions, 39,777 sick days, 7 deaths, and 107 invalidings from the service. In 38 of the latter cases disability was considered to have occurred prior to entry into the service.

There were no admissions for anaphylaxis, beriberi, pellagra, or scurvy.

Data for certain titles that may be of interest are given in the following table:

Cause	Admissions per 100,000	Sick days per 100,000	Deaths (all)	Invalided from service (all)	Disability originated prior to entering service
Alcoholism	165	355	6	1	1
Seasickness	14	282	0	3	2
Narcotic-drug addiction	13	429	0	3	2
Delirium tremens	4	34	0	0	0
Diabetes insipidus	3	105	0	0	0
Gout	2	125	0	0	0
Calculus in kidney	45	2,038	1	1	0
Total for entire class	1,270	33,347	7	107	38

INJURIES AND POISONINGS IN THE NAVY

Beginning January 1, 1924, medical officers were required, in connection with the reporting of all cases of injury and of poisoning, to furnish all necessary information to indicate the conditions and circumstances responsible for disability. For the first time, therefore, it is possible to make a complete analysis of the returns for an entire year and to show the relationship between all injuries or poisonings and the accidents or other causes connected with them.

As a necessary step toward a practical system of classification, accidents are grouped as occurring "within command," meaning on board a ship of the Navy or within the confines of a naval station. This group necessarily includes injuries incurred by personnel engaged in the performance of prescribed duties even though they may be in a civil community at the time.

Injuries grouped as occurring within the command are further divided to show whether they were connected with the performance

of work or other prescribed duties, or whether they happened as they might have in many a different environment without being associated with actual performance of work or naval duties. Between 15 and 20 per cent of all injuries and poisonings charged against the health of the Navy are incurred while men are away from naval jurisdiction—on leave, liberty, or absent without leave—and these obviously should be treated as a separate group.

The next step is to classify all cases arising from causes existing within the command according to the conditions responsible for accidents or injuries. In all instances medical officers are required to indicate from their knowledge of the circumstances leading to injury which of the following factors was an associated cause:

1. Negligence on the part of the injured person.
2. Negligence of other persons.
3. No apparent negligence.
4. Faulty equipment.
5. Faulty design or faulty matériel.
6. Matériel defective from use.
7. Faulty operation of gear, machinery, etc.
8. Lack of safety device where same could be used.
9. Inadequate protection by safety device used.

To guide medical officers so that they would include in all cases precisely the information required for the study of injury and poisoning hazards to which naval personnel may be subjected, a nomenclature of hazards was adopted. Experience has shown that the titles in this standard list are complete enough to cover practically all cases. However, if the medical officer does not regard any of the titles as exactly suitable he is permitted to describe the hazard in his own terms, provided he adds an explanation which will make the exact nature of the accident perfectly clear. This list of hazards need not be repeated here, as the titles appear in the several tables presented below.

In 1924 there were 7,221 injury and poisoning admissions. The admission rate for injuries was 5,934 per 100,000 and for poisoning, 181.

Injuries caused 155,325 sick days, which is the equivalent of 357 men per 100,000 constantly under treatment. The various forms of poisoning caused 1,819 sick days, equivalent to a rate of 4 men per 100,000 constantly disabled.

In general, accidents are charged to cause in conformity with the definition recommended by a committee of the International Association of Industrial Accident Boards and Commissions, and accepted by the Bureau of Labor Statistics of the United States Department of Labor, that the prominent or immediate cause of injury "is that condition or circumstance the absence of which would have prevented the accident, but if there be more than one such condition or circumstance then the one most easily prevented." "The meaning of this rule may be made clear by illustration: A workman passing through an aisle stumbles upon a defective floor and throws his hand into an exposed gear which mashes off two of his fingers. Under the rule adopted, this accident is to be charged to the gear and not to stumbling." "Had the gear been properly covered the workman might still have been injured by his fall but the injury which did occur, namely, the loss of two fingers, would not have happened."

Accident prevention in the Navy must, of course, deal with hazards other than purely industrial hazards. All hazards likely to be encountered have been divided into two general classes:

A. Naval and military hazards.
B. Industrial and miscellaneous hazards.

Naval and military hazards are considered under four subheadings:

Naval and military hazards:
1. Aeronautics.
2. Submarines.
3. Other naval and military agents and hazards.
4. Special naval hazards.

Industrial and miscellaneous hazards are grouped as follows:

Industrial and miscellaneous hazards:
1. Animals.
2. Boilers.
3. Conflagrations.
4. Cranes and conveyers.
5. Electricity.
6. Elevators.
7. Explosions.
8. Falling objects not being handled by injured.
9. Falls of persons.
10. Hand tools.
11. Handling of objects.
12. Hot substances and flames.
13. Machinery.
14. Miscellaneous.
15. Poisonous and corrosive substances.
16. Railway cars and engines.
17. Stepping on or striking against objects.
18. Vehicles.

Injuries received while participating in athletics or incurred in skylarking, fighting, and brawling, etc., are considered under miscellaneous hazards. Data for these are included in the tables presented below.

In 1924 there were only two admissions to the sick list for wounds or other injuries which may properly be classified as casualties in action. The two men received their wounds in the World War while serving in the Army, and since their names had never appeared on a Navy sick list the cases were taken up as new admissions, in accordance with established practice, when disability occurred in the Navy. One was a case of shrapnel in the knee joint. The other was a healed wound which had involved fracture of both bones of the forearm.

Except for these cases, the tables include only injuries or poisonings accidentally incurred. Injuries or poisonings caused by suicidal or homicidal intent are not included but are discussed separately.

Under naval and military hazards there were recorded 1,541 admissions during the year, representing 21.34 per cent of total admissions for injuries and poisonings. Industrial and miscellaneous hazards accounted for 5,680 admissions, 78.66 per cent. Of the 7,221 admissions, 83 per cent were for injuries or poisoning incurred within various naval commands, and 17 per cent were for disability resulting from hazards encountered while on authorized or unauthorized absence from naval jurisdiction.

A little over half, 52.4 per cent, of the admissions were for injuries or poisonings connected with the performance of work or other required naval duties.

The following table shows correlation with work, conditions within naval commands not associated with work, and conditions encountered outside naval jurisdiction, by general classes of hazards. Sets of percentages are shown throughout the table. In every instance the upper percentage figure is based on total admissions or sick days for all injuries and poisonings. The lower figure, which appears in italics, is the percentage of the admissions or sick days, as the case may be, recorded for the general class to which the particular hazard belongs.

Correlation between injuries and poisonings and work or other conditions under which they occurred. (Suicides and homicides are not included)

	Connected with work		Not connected with work		Leave, liberty, etc.		Total		Deaths	Permanently disabled
	Admissions	Sick days	Admissions	Sick days	Admissions	Sick days	Admissions	Sick days		
NAVAL AND MILITARY HAZARDS										
Aeronautics	142	3,370	1	5	1	43	144	3,418	36	6
	1.980	2.155	0.013	0.001	0.013	0.027	2.008	2.185	14.754	2.727
	9.279	*9.821*	*0.064*	*0.014*	*0.064*	*0.125*	*9.409*	*9.960*	*21.710*	*11.320*
Submarine	18	502					18	502	1	1
	0.249	0.320					0.249	0.320	0.409	0.454
	1.868	*1.462*					*1.168*	*1.462*	*0.653*	*1.886*
Other naval and military hazards.	404	9,667	17	612	33	1,895	454	12,174	71	22
	5.594	6.179	0.235	0.391	0.457	1.211	6.287	7.782	29.098	10.000
	26.216	*28.163*	*1.103*	*1.783*	*2.141*	*5.520*	*29.461*	*35.467*	*46.405*	*41.509*
Special naval hazards.	711	14,724	187	3,189	27	317	925	18,230	45	24
	9.832	9.412	2.589	2.038	0.373	0.202	12.796	11.653	18.442	10.909
	46.073	*42.894*	*12.134*	*9.290*	*1.752*	*0.923*	*59.961*	*53.108*	*29.411*	*45.283*
Total	1,275	28,263	205	3,806	61	2,255	1,541	34,324	153	53
	17.656	18.067	2.838	2.433	0.844	1.441	21.340	21.942	62.704	24.090
	82.738	*82.341*	*13.303*	*11.088*	*3.958*	*6.569*				
INDUSTRIAL AND MISCELLANEOUS HAZARDS										
Animals	12	331	5	59	18	276	35	666		2
	0.166	0.211	0.069	0.037	0.249	0.176	0.484	0.425		0.909
	0.211	*0.272*	*0.088*	*0.048*	*0.316*	*0.225*	*0.616*	*0.544*		*1.197*
Boilers	125	2,120	3	41	1	26	129	2,187	2	1
	1.731	1.355	0.041	0.026	0.013	0.016	1.789	1.397	0.819	0.454
	2.200	*1.736*	*0.052*	*0.033*	*0.017*	*0.021*	*2.271*	*1.788*	*2.196*	*0.598*
Conflagrations	3	30			1		4	30	1	
	0.041	0.019			0.013		0.055	0.019	0.409	
	0.052	*0.025*			*0.017*		*0.070*	*0.024*	*1.098*	
Cranes and conveyers.	19	967	2	138			21	1,105		2
	0.263	0.618	0.027	0.088			0.290	0.706		0.909
	0.334	*0.792*	*0.035*	*0.113*			*0.369*	*0.903*		*1.197*
Electricity	16	191			1	4	17	195	1	
	0.221	0.122			0.013	0.002	0.235	0.124	0.409	
	0.281	*0.156*			*0.017*	*0.003*	*0.299*	*0.159*	*1.098*	
Elevators										1
										0.454
										0.598
Explosions	40	1,252	2	67	7	120	49	1,439	4	1
	0.553	0.800	0.027	0.042	0.096	0.076	.0678	0.919	1.639	0.454
	0.704	*1.025*	*0.035*	*0.055*	*0.123*	*0.098*	*0.862*	*1.177*	*4.382*	*0.598*
Falling objects	125	3,217	15	126	6	192	146	3,535	1	7
	1.731	2.056	0.207	0.080	0.083	0.122	2.021	2.259	0.409	3.181
	2.200	*2.634*	*0.264*	*0.103*	*0.105*	*0.157*	*2.570*	*2.891*	*1.098*	*4.191*
Falls of persons	470	4,114	144	10,636	94	2,467	708	17,217	5	20
	6.508	2.629	1.994	6.798	1.301	1.576	9.801	11.005	2.272	9.090
	8.274	*3.368*	*2.448*	*8.710*	*1.654*	*2.018*	*12.039*	*14.083*	*5.494*	*11.976*
Hand tools	68	1,442			6	140	74	1,582		6
	0.941	0.921			0.083	0.089	1.024	1.011		2.727
	1.197	*1.180*			*0.105*	*0.114*	*1.302*	*1.294*		*3.592*

Correlation between injuries and poisonings and work or other conditions under which they occurred. (Suicides and homicides are not included)—Continued

	Connected with work		Not connected with work		Leave, liberty, etc.		Total		Deaths	Permanently disabled
	Admissions	Sick days	Admissions	Sick days	Admissions	Sick days	Admissions	Sick days		
INDUSTRIAL AND MISCELLANEOUS HAZARDS—cont'd.										
Handling objects	256	5,042	17	160	28	427	301	5,629	-------	4
	3.545	3.222	0.235	0.102	0.387	0.272	4.168	3.598	-------	1.818
	4.507	*4.129*	*0.299*	*0.131*	*0.492*	*0.349*	*5.299*	*4.604*	-------	*2.395*
Hot substances and flames.	113	2,211	7	75	1	20	121	2,306	-------	1
	1.564	1.413	0.096	0.047	0.013	0.012	1.675	1.473	-------	0.454
	1.989	*1.811*	*0.123*	*0.061*	*0.017*	*0.016*	*2.030*	*1.886*	-------	*0.598*
Machinery	296	6,426	4	218	31	887	331	7,531	7	12
	4.099	4.107	0.055	0.139	0.429	0.566	4.583	4.813	2.868	5.454
	5.211	*5.262*	*0.070*	*0.179*	*0.545*	*0.725*	*5.727*	*6.160*	*7.686*	*7.185*
Miscellaneous	649	31,940	1,606	10,834	514	9,449	2,769	52,223	33	64
	8.987	20.416	22.240	6.925	7.118	6.039	38.346	33.380	14.999	29.090
	11.426	*26.156*	*27.310*	*8.872*	*9.049*	*7.729*	*47.088*	*42.718*	*36.263*	*38.323*
Poisonous and corrosive substances.	85	1,165	154	1,266	28	158	267	2,589	5	2
	1.177	0.744	2.132	0.809	0.387	0.100	3.697	1.654	2.049	0.909
	1.496	*0.954*	*2.711*	*1.037*	*0.492*	*0.129*	*4.600*	*2.117*	*5.490*	*1.197*
Railway cars and engines.	7	462	1	252	45	2,824	53	3,538	9	11
	0.096	0.295	0.013	0.161	0.623	1.805	0.733	2.261	3.688	4.999
	0.123	*0.378*	*0.017*	*0.206*	*0.792*	*2.310*	*0.833*	*2.894*	*9.882*	*6.586*
Stepping on or striking against objects.	49	316	4	12	4	30	57	358	-------	1
	0.678	0.201	0.55	0.007	0.055	0.019	0.789	0.228	-------	0.454
	0.862	*0.259*	*0.070*	*0.010*	*0.070*	*0.024*	*0.903*	*0.292*	-------	*0.598*
Vehicles	177	5,944	43	1,289	378	12,739	598	19,972	23	32
	2.451	3.799	0.595	0.823	5.234	8.142	8.281	12.766	9.426	14.545
	3.116	*4.868*	*0.757*	*1.056*	*6.654*	*10.420*	*10.428*	*16.337*	*25.254*	*19.161*
Total	2,510	67,170	2,007	25,173	1,163	29,759	5,680	122,102	91	167
	34.759	42.935	27.793	16.090	16.105	19.032	78.658	78.057	37.295	75.909
	44.190	*55.006*	*35.334*	*20.601*	*20.475*	*24.380*	-------	-------		
Grand total	3,785	95,433	2,212	28,979	1,224	32,014	7,221	156,426	244	220
	52.416	52.686	30.632	26.806	16.950	20.506	-------	-------	-------	-------

It will be noted that less than 100 per cent of injuries and poisonings charged to naval and military hazards are listed as occurring within naval jurisdiction. This is because certain accidents, including those with small boats other than those belonging to the Navy, accidental injuries caused by firearms, and injuries caused by venomous tropical fish while swimming, have been recorded under naval and military hazards even though the injuries were received while on leave or liberty.

While only 21.3 per cent of total injury and poisoning admissions resulted from naval and military hazards, this class was responsible for 153 deaths, or 62.7 per cent of all deaths resulting from injury or poisoning. This is not surprising. Permanent disability is another end result to be taken into consideration. Naval and military hazards were responsible for the elimination from the service of only 53 persons by reason of permanent disability. This figure represents 24 per cent of the number permanently disabled by all injuries and poisonings, whereas industrial and miscellaneous hazards were responsible for 76 per cent. The reason for this is that some of the most dangerous naval and military hazards are likely to result in immediate death. Aeronautic accidents and powder or gun explosions are of course likely to cause fatal injuries. The totals given in the table show that just about as many persons were invalided from the service, permanently disabled, as were killed during the year.

The table suggests that many correlations worthy of careful study exist between character of accident, frequency and nature of disability, and end results. It will be noted that the numbers of admissions and the numbers of sick days quite closely correspond for the different classes, or in other words, vary together, although the hazards involved differ greatly in character. For example, it might be thought that while injuries associated with athletics would cause many admissions to be recorded they would cause relatively few sick days. During the year athletic sports were responsible for 18.5 per cent of the admissions and 16.5 per cent of the sick days.

Study of the case reports received during the year with reference to negligence on the part of personnel or faulty matériel makes it possible to present the following interesting figures; percentages are based on the 7,221 total admissions for injuries and poisoning:

Negligence and matériel factors associated with admissions for injuries and poisonings. (Suicides and homicides are not included)

	Naval and military hazards	Industrial and miscellaneous hazards	Total admissions for injuries and poisonings	Fault of personnel	Matériel			No apparent fault
					Faulty or defective matériel	Lack of or inadequate protection of safety device	Total fault of matériel	
Negligence of injured person	45	146	191	----	----	----	----	----
	.623	2.02	2.645	----	----	----	----	----
Negligence of other persons	71	161	232	----	----	----	----	----
	0.983	2.229	3.212	----	----	----	----	----
No apparent negligence present	1,291	4,068	5,359	----	----	----	----	----
	17.878	56.335	74.213	----	----	----	----	----
Equipment of machinery at fault	6	10	16	----	----	----	----	----
	0.083	0.138	0.221	----	----	----	----	----
Faulty design or faulty matériel	26	39	65	----	----	----	----	----
	0.360	0.540	0.900	----	----	----	----	----
Equipment or machinery defective from use	15	27	42	----	----	----	----	----
	0.207	0.373	0.581	----	----	----	----	----
Faulty operation of machinery or equipment	4	18	22	----	----	----	----	----
	0.055	0.249	0.304	----	----	----	----	----
Lack of safety device where such could be used	18	34	52	----	----	----	----	----
	0.249	0.470	0.720	----	----	----	----	----
Inadequate protection in use	4	14	18	----	----	----	----	----
	0.055	0.193	0.249	----	----	----	----	----
Leave or liberty, etc	61	1,163	1,224	----	----	----	----	----
	0.844	16.105	16.950	----	----	----	----	----
Total	1,541	5,680	7,221	423	145	70	215	5,359
	21.340	78.658	100.000	5.857	2.008	0.969	2.977	74.213

In view of everyday experience in the industries of the country and among civilian employees at navy yards, the very small percentage, 5.9 per cent of all accidents, in which negligence of personnel was reported as a factor leading to injury is an absurdly low figure. In conjunction with the figure indicating that there was no apparent fault either on the part of personnel or of matériel in 74 per cent of all accidents, it shows that only a beginning has been made in the direction of securing unbiased reports exact as to these facts. In other respects the reports are very satisfactory. It is probable that medical officers, especially in the earlier months of the year, confused the question of negligence with "line of duty status." In other cases they may have feared that a report of negligence on

the part of other persons or of faulty matériel might be construed as unwarranted criticism. At any rate it would appear that they have too often reported negligence or fault not apparent. The department recognizes the importance of securing accurate information regarding these points, as well as other causation factors, in order that statistics which will be of real value in the study of accident prevention in the Navy may be compiled. There is, of course, no reason why any statement made in reporting injury cases for purely statistical purposes should be considered as criticism of any person or thing.

Case reports received during the year point to the need for certain safety devices, particularly those affording head and eye protection for men engaged in grinding and chipping operations. It appears that lack of forethought or lack of care in the handling of equipment is often responsible for injuries. Outstanding preventable accidents and hazards were:

Injuries to eyes when protective goggles were not worn while working at emery wheels, using chipping tools, or working under other conditions where flying particles are a menace.

Failure to make sure that lines attached to stagings are not defective and failure properly to secure such lines.

Failure to adhere to instructions in lighting off oil burners under boilers.

Live steam in lines which are being opened for repair work and the turning on of steam without warning.

Use of solutions of lye for cleansing purposes strong enough to cause severe chemical burns without proper precautions.

Lack of precautions including guard lines, rails, or chains, and adequate illumination that will prevent men from falling through cargo hatches or other open hatches.

Failure to keep ladders and hatch covers and their fastenings in repair.

Carelessness in operating meat grinders and choppers and bread-cutting machines.

Failure to take proper precautions to prevent accidents with improvised gangways or gangplanks and gangways which are to be used temporarily. Such gangways have carried away because not properly shipped and secured. The effects of tide and current have been underestimated in some cases. Other defects reported were defective or inadequate treads, lack of or inadequacy of handrails or ropes, and gangways that were too small or too lightly constructed for the purpose.

Exposed gears, cogs, or other moving parts of machinery without guards or the employment of other means to prevent clothing and limbs from being caught.

Defective or loose planks in board walks at shore stations.

Collection of gasoline in the bilges or power boats.

Careless handling of gasoline in many instances under many different conditions and its employment for many purposes.

Careless handling of firearms and failure to remove cartridges before putting the piece away.

Backfiring of gasoline motors when being cranked.

Inadequate illumination of walks, passageways, ladders, open hatches, and gangways.

Carelessness in ascending and descending hatchway ladders.

Carelessness in entering and leaving boats.

According with general industrial experience, many injuries resulted from various kinds of falls, or were received while handling stores and other objects, and in handling or working with sharp or rough objects. Doubtless carelessness on the part of the injured person or negligence on the part of other persons was often a factor, but comparatively few case reports showed this.

The hazards which most frequently led to disability with injury or poisoning are shown in the following table in the order of frequency. The various single causative agents or causes are listed in the order of frequency with which admissions to the sick list occurred. The order of standing according to resulting sick days is also indicated.

Admissions in order of frequency—accidents (injuries and poisonings) with standing according to sick days

Causative agent or cause	Order of frequency	Admissions	Per cent of total admissions	Standing based on sick days	Sick days	Per cent of total sick days
Falls due to slipping on level	1	406	5.6	2	8,351	5.4
Automobile, passenger	2	356	5.0	1	11,751	7.5
Baseball	3	354	4.9	3	7,203	4.6
Football	4	347	4.8	4	7,048	4.5
Hatchway ladders, falls on	5	229	3.2	6	4,142	2.7
Fighting between service prsonnel	6	226	3.1	7	4,087	2.6
Boxing	7	200	2.8	5	4,553	3.0
Handling objects	8	193	2.7	9	3,714	2.4
Boats, handling of (includes accidents to passengers)	9	149	2.1	14	2,558	1.7
Falls due to stumbling	10	127	1.8	12	2,242	1.5
Skylarking	11	120	1.7	16	2,358	1.5
Swimming	12	118	1.7	31	1,314	.9
Food poisoning	13	111	1.6	74	228	.2
Handling sharp and rough objects	14	108	1.5	17	1,915	1.2
Motor cycle	15	107	1.5	8	3,811	2.5
Steam boilers, miscellaneous	16	102	1.4	19	1,706	1.1
Assault	17	98	1.4	14	2,619	1.7
Wrestling	18	94	1.3	24	1,593	1.0
Gunpowder, explosion of	19	86	1.2	34	1,248	.8
Automobile truck	20	84	1.2	11	3,053	2.0
Gasoline engines, power boats	21	82	1.2	21	1,663	1.1
Falls from elevations	22	79	1.1	10	3,498	2.3
Hand tools	23	74	1.0	24	1,582	1.0
Drill, great guns, not target practice	24	74	1.0	39	1,043	.7
Knife, not otherwise classified	25	73	1.0	38	1,137	.7
Lines and cables	26	70	.9	22	1,662	1.1
Explosives and projectiles, handling of, including machinery	27	67	.9	13	2,705	1.
Hammock, falls from	28	67	.9	29	1,350	.9
Basket ball	29	61	.9	35	1,248	.8
Storm or heavy weather at sea, including result of motion of ship	30	60	.9	37	1,158	.8
Mess tables and benches	31	60	.8	40	1,046	.7
Lifting and pulling	32	59	.8	30	1,327	.9
Nails and splinters	33	57	.8	61	358	.2
Falls on stairs and steps	34	56	.8	20	1,664	1.1
Steam engines, miscellaneous	35	54	.8	36	1,233	.8
Hatch cover	36	53	.8	25	1,543	.9
Fighting with civilians	37	52	.7	41	1,023	.7
Heat, excessive, fireroom	38	49	.7	84	158	.1
Galley injuries, excluding meat choppers and bread cutters	39	47	.7	33	1,257	.8
Twisting and turning	40	46	.7	44	802	.5
Coaling ship	41	45	.6	28	1,371	.9
Cargo or open hatches, falls through	42	44	.6	23	1,636	1.1
Explosion gasoline and other petroleum products	43	44	.6	32	1,277	.8
Drilling, miscellaneous	44	41	.6	43	847	.7
Steel chippings or fragments, not otherwise classified	45	40	.6	61	360	.3
Lye water	46	38	.5	52	584	.4
Hot water	47	38	.5	54	519	.4
Falls from staging or scaffolding	48	37	.5	26	1,461	.9

Admissions in order of frequency—accidents (injuries and poisonings) with standing according to sick days—Continued

Causative agent or cause	Order of frequency	Admissions	Per cent of total admissions	Standing based on sick days	Sick days	Per cent of total sick days
Seaplane crash	49	36	.5	46	719	.5
Pistol, ball or explosion of	50	33	.5	18	1,855	1.2
Railroad	51	32	.5	26	1,535	.9
Other hot liquids (soup, coffee, etc.)	52	30	.4	42	880	.6
Horse or mule	53	28	.4	50	612	.4
Airplane, crash	54	26	.4	45	744	.5
Neoarsphenamine injections (antisyphilitic)	55	25	.4	47	621	.3
Flareback, oil-burning boiler	56	24	.4	62	416	.3
Shoes, ill-fitting	57	23	.3	85	167	.1
Jumping, not athletics	58	22	.3	53	658	.4
Street car	59	21	.3	17	2,003	1.3
Total	----------	5,482	75.9	----------	119,959	76.7

Motor vehicles.—It will be observed that the passenger-carrying automobile stands second on the list as a cause of injury among all hazards, even in the Navy, being responsible for nearly 5 per cent of the total admissions for injury and poisoning. The title does not include autotruck, public busses, etc. Only about one in five of these accidents occurred while the injured persons were on a duty status. Data for accidents associated with motor vehicles of all descriptions are as follows:

Motor vehicles

	Within command		Leave or liberty	Total admissions	Deaths	Permanently disabled	Sick days
	Work	Not work					
Automobile	50	28	278	356	16	19	11,751
Per cent of total	0.692	0.387	3.849	4.930	6.557	8.636	7.511
Truck	69	3	12	84	5	9	3,053
Per cent of total	0.955	0.041	0.166	1.163	2.049	4.090	1.951
Motor cycle	28	11	68	107	2	3	3,811
Per cent of total	0.387	0.152	0.941	1.481	0.819	1.363	2.435
Total	147	42	358	547	23	31	18,515
Per cent of total	2.035	0.581	4.957	7.575	9.426	14.090	11.834

It appears that among all injury and poisoning cases, motor vehicles of one description or another were responsible for nearly 10 per cent of the deaths, 14 per cent of accidents leading to permanent disability and more than 7.5 per cent of admissions. The prominent part played by motor vehicles in the work of the Navy is indicated by the fact that about one case in four represented injuries received in connection with the performance of work or prescribed duties.

Athletics.—With the efforts that are made to promote physical exercise in the Navy and encourage all men to take part in games and outdoor sports it is not surprising that all forms of athletics were responsible for nearly one in five of all injury and poisoning admissions. The following is a list of groups, each composed of related individual hazards and causes, which altogether accounted for 83 per cent of admissions and 84.5 per cent of the sick days resulting from injury

and poisoning. The character of disability caused by the various groups of hazards will be found in a special table at the end of this section.

	Admissions	Sick days	Deaths	Invalided from service
Athletics	1,336	25,805	18	19
Per cent of total	18.50	16.49	7.38	8.64
Special naval hazards	924	18,229	45	24
Per cent of total	12.80	11.65	18.44	10.91
Falls of persons as covered in detail under "Industrial and miscellaneous hazards" in complete table	705	17,217	3	20
Per cent of total	9.76	11.01	1.23	9.09
Miscellaneous industrial hazards and unclassified hazards	556	9,857	10	38
Per cent of total	7.70	6.29	4.10	17.27
Motor vehicles	547	18,515	23	31
Per cent of total	7.58	11.83	9.43	14.09
Other naval and military agents and hazards	454	12,174	71	22
Per cent of total	6.29	7.78	29.09	10.00
Assaults and fighting	376	7,729	3	2
Per cent of total	5.21	4.94	1.23	0.91
Machinery	331	7,531	7	12
Per cent of total	4.58	4.81	2.87	5.45
Handling of objects	301	5,629	0	4
Per cent of total	4.17	3.60	0	1.82
Poisonous and corrosive substances	267	2,117	5	2
Per cent of total	3.70	1.65	2.05	0.91
Aviation	145	3,419	33	6
Per cent of total	2.01	2.19	14.75	2.73
Railway cars and engines	53	3,538	9	11
Per cent of total	0.73	2.26	3.69	5.00
Total	5,995	131,760	227	191
Per cent of total	83.02	84.51	94.26	86.82

As might be expected, analysis of the data for athletic sports shows that baseball, football, and boxing caused the greatest numbers of admissions in the order named. Swimming, as usual, was responsible for the greatest number of deaths, 17. All other forms of athletics were responsible for only one death. That was caused by a fracture of the fifth cervical vertebra resulting from a fall while a man was trying to turn a handspring. Nineteen men were invalided from the service on account of permanent disability resulting from injuries received while engaging in athletic sports, as follows: Baseball, 5; football, 3; boxing, 2; basket ball, 4; swimming, 1; wrestling, 1; all others, 3. These represented 8.6 per cent of the total invalided from the service by reason of injury or poisoning.

At the Naval Academy, 62 per cent of all injuries to midshipmen were caused by athletics. There were no deaths and none was invalided from the service.

Fighting, etc.—Fighting, brawling, and assaults, shown in the complete table under miscellaneous hazards but listed separately in the above table, were responsible for 376 admissions, or 5.2 per cent of the total admissions with injuries and poisonings. In the aggregate, injuries of this nature cause serious damage to the Navy. Comparatively little wrangling or fighting occurs when the crew as a whole is contented. These figures include the results of assaults, fighting, and brawling ashore, which altogether accounted for 206 of the 376 admissions. Five men were assaulted while on sentry duty or engaged in work, and in nine cases fighting was incidental to the performance of work. Three deaths resulted from fighting, and two men were disabled to such an extent that they were dis-

charged from the service. Assaults and fighting caused 7,729 sick days, 5 per cent of total injury and poisoning sick days.

Falls.—Falls of persons not chargeable to athletics, motor vehicles, aviation, or other definite hazards taking precedence over the act of falling were responsible for about 21 per cent of all injuries, the total including poisoning. Falls, of course, result from a great variety of causes, chief among which in the order of frequency were those due to slipping on level ground or surface; falls on hatchway ladders; falls caused by stumbling; falls from elevations; falls from hammocks, of which there were 67; falls on stairs and steps; falls through cargo or other open hatches; and falls from stagings and scaffoldings.

Injuries resulting from such falls were fatal in five cases. One man while unrigging electric wiring fell from smokestack stays, one fell from the roof of a building, one fell into a dry dock, and two fell overboard from a dock and were drowned.

Falls were responsible for 20 invalidings from the service. Falls from elevations were responsible for 10 of these; falls from stagings or scaffoldings, 1; falls on stairs or steps, 1; falls caused by slipping, 1; and falls caused by stumbling, 1.

Handling of objects.—Handling of objects other than tools, explosives, and projectiles, but including sharp and rough objects as well as stores and miscellaneous materials, involved 301 admissions and 5,629 sick days. This class of hazards made it necessary to discharge four men from the service with permanent disability but there were no deaths. Doubtless carelessness in handling, lack of thought, or failure to wait for proper assistance were in many instances responsible for injury, but it is often difficult to ascertain such collateral cause.

Machinery hazards.—Machinery hazards of all descriptions were responsible for 627 admissions and 15,027 sick days. However, some of these are properly considered as accruing from naval and military or from other industrial and miscellaneous hazards and not from machinery hazards as classified here. Machinery hazards relate only to machinery that is operating, including steam, internal combustion, electric, and other types of prime movers, also power transmission apparatus and power working machines. As thus defined, machinery hazards accounted for 331 admissions, 7,531 sick days, 7 deaths, and 12 discharges for permanent disability. Data relating to separate causes comprising machinery hazards are given in the complete table at the end of this section. It will be noted that the principal causes of injury in this group were operation of gasoline engines, steam engines, operation of lathes, emery wheels, and cirular saws.

Four of the seven deaths resulted from one accident, the ignition of gasoline in the bilges by back fire from the engine, followed by explosion of the gasoline tank in a private shore boat in which men were returning from liberty. One death resulted from an accident to a gasoline engine in a Navy power boat. A faulty electric generator was responsible for one death. The accident occurred on board a destroyer. The machine flew into pieces and the victim received extensive wounds of the throat and trachea. One man was fatally injured in a roller-coaster accident at an amusement park.

POISONOUS AND CORROSIVE SUBSTANCES

Poisonous and corrosive substances were responsible for 267 admissions, 2,117 sick days, 5 deaths, and 2 discharges from the service. Not all of these represent industrial hazards. Poisonings associated with medical and surgical treatment are included in the figures; also food poisoning and miscellaneous forms of poisoning occurring within the command and elsewhere. The data for all cases of poisoning which occurred in the Navy during the year are given separately in General Statistical Table No. 1 on page 249, listed according to cause. The 267 admissions referred to above do not include poisoning resulting from homicidal or suicidal intent. There were no cases of homicidal poisoning. Cases in which poison was taken with suicidal intent are indicated in Table No. 1 on page 249 by the key letter A.

Food poisoning.—As in previous years, too many outbreaks of food poisoning resulting from the ingestion of food prepared and served within various naval commands occurred. In practically all instances it appears that contamination of the food with bacilli of the so-called meat-poisoning group was responsible for the symptoms, but the way in which the food became contaminated was not often determined.

During the year there were 111 admissions to the sick list for food poisoning, but these account for but a small percentage of the cases that actually occurred. For example, an outbreak of poisoning caused by contaminated meat in corned-beef hash served to the crew for breakfast April 16, 1924, occurred on board the U. S. S. *Maryland*. Although about 200 men were poisoned as stated in the epidemiological report of the outbreak, in the excitement only the names of the men who were most severely affected were taken, and consequently only 65 admissions were recorded. Again, on board the U. S. S. *New York* an outbreak of poisoning was caused by beef hash served in the general mess for breakfast July 14. The meat, frozen beef, was thawed and ground up the evening before. About 400 men were poisoned, as ascertained later by questionnaire, but only 10 admissions were recorded. The evidence is strongly presumptive that contamination of the meat in both instances took place on board ship, probably by the hand of a carrier of the causative microorganism, but possibly by cockroaches or rodents.

Similar outbreaks have occurred in previous years. The attention of the department was invited to the special danger of poisoning by hash served at the morning meal if the meat is ground up several hours before, handled, and allowed to stand in a warm place so that the meat-poisoning bacilli may grow rapidly if contamination has occurred. Suitable instructions regarding the preparation of hash, designed to prevent further outbreaks of this kind, were issued by the Bureau of Supplies and Accounts.

Hash is a palatable food, and in general it is very acceptable to the crew if not served too often. There is no reason why it should not be served when properly prepared, but it is important to see to it that the meat is not long exposed to a temperature favorable for the incubation of *Bacillus enteritidis* and paratyphoid bacilli, comprising the meat-poisoning group, after being subjected to intimate handling as is likely to occur during the grinding process. Care

should be taken at all times to make sure that men who handle meat, especially those who grind or cut up meat, are free from manifestations of intestinal disease. All men who prepare or serve food should be thoroughly and repeatedly instructed to wash their hands carefully with soap and water after visiting the toilet and before handling food, especially meats and other foods which furnish good culture material for bacilli of the enteritidis-paratyphoid group.

Food poisoning in time of war might be a very serious matter if an outbreak occurred at a critical moment. If that moment should come about three hours after a breakfast of contaminated food, with from 20 to 25 per cent of the crew incapacitated and unable to stand, the result can well be imagined.

Hash, of course, is not the only prepared food that is especially likely to convey the microorganisms and preformed toxins. Hamburger steak is a potential vehicle, and in general all cooked meats that are to be kept over and served cold the next day. Cold tongue was recently responsible for a large outbreak of poisoning, and hamburger steak has been involved in several small outbreaks in the Navy. Cream filler and the like prepared in bakeries, judging from studies made in New York City, not infrequently cause food poisoning of this kind. So far as known, no case in the Navy has resulted from eating such material.

In addition to the two large outbreaks mentioned above, corned-beef hash served for breakfast on board the U. S. S. *Montcalm*, at Guantanamo Bay, Cuba, caused 10 admissions July 29. Nearly every man who ate breakfast was poisoned. Four officers on board the U. S. S. *Converse* were poisoned by lobster salad served for luncheon. The lobsters, or crawfish, were cooked on board. They were said to have been alive when cooked. They were eaten about three days after they were cooked. The conditions under which the lobster meat was kept were not precisely stated.

Seventeen single cases of food poisoning were reported. Most of these were caused by food eaten ashore in restaurants and other public eating places. The foods incriminated were canned salmon, 2; beefsteak, 1; canned shrimp, 2; fresh shrimp, 1; ham, 2; veal, 2; crawfish, 2; oysters, 2; canned sardines, 1; hamburger steak, 1.

No death resulted from food poisoning and there were only 228 sick days.

Chemicals and drugs.—There were 35 admissions to the sick list on account of poisoning associated with the use of drugs and chemicals employed in the treatment of disease, including 25 cases of arsphenamine or neoarsphenamine and 4 cases of poisoning by mercurial compounds, occurring in the course of treatment for syphilis. Two deaths resulted from arsphenamine poisoning and two from neoarsphenamine. In these cases, syphilis was charged as the primary cause of death. These cases have already been discussed in the section on venereal diseases. In two cases where invaliding from the service was required, the effect of neoarsphenamine rather than syphilis was regarded as the principal cause of disability. Procaine was responsible for poisoning in 1 case; atropin in 1; mercurochrome in 1; acetanilid in 1; aspirin in 1; and 1 man took mercuric chloride by mistake.

There were seven cases in which poisoning resulted from drinking preparations containing alcohol. In three instances the beverage

contained methyl alcohol. One patient died; the other two recovered without permanent disability. Bay rum poisoned one man; face lotion, another; shellac was the poison in one case; and vanilla extract put one man on the sick list.

Four men were overcome by fuel oil or gasoline fumes. There was one case of poisoning by illuminating gas. The patient recovered.

Failure of one man to follow instructions and take the necessary hygienic precautions resulted in poisoning by trinitrotoluol.

There were six cases of chronic lead poisoning and one case of acute poisoning contracted in the handling of paint or the removal of old paint.

Two fatal cases of acute opium poisoning occurred. Both cases occurred away from naval jurisdiction, and the circumstances under which the opium was taken could not be ascertained.

Solutions of lye were responsible for 38 admissions to the sick list. Other corrosive substances, including cresol, phenol, iodine, and acids, were responsible for 20 admissions.

Handling of poisonous substances of miscellaneous character caused 37 admissions.

There was one case of acute poisoning caused by accidental swallowing of a mercurial compound. The cases of four marines who ate castor beans which they picked from a plant on the naval station, Guantanamo Bay, Cuba, complete the total of 267 admissions in this group of hazards.

RAILWAY CARS AND ENGINES

This group of hazards caused only 53 admissions, but there were 9 deaths and 11 men were permanently disabled. A little more than 2 per cent of the total sick days caused by injuries and poisonings resulted from accidents connected with railway cars and engines.

Twenty-one men were injured by street cars or while riding on street cars. Two of the men were ashore on a duty status when injured. Street cars were not responsible for any deaths but were responsible for 6 of the 11 disability discharges.

Thirty-two men were injured by railway engines and cars or while riding in or upon or under cars or in getting on or off cars. Five of these men were injured while at work within a naval command. The nine deaths were caused by railway cars or engines, and all the men killed, as well as the five subsequently invalided from the service, were on leave or liberty when injured.

MISCELLANEOUS INDUSTRIAL HAZARDS AND CERTAIN HAZARDS NOT OTHERWISE CLASSIFIED

Miscellaneous hazards as listed in the complete table at the end of this section were responsible for 2,772 admissions, or a little more than 38 per cent of total admissions for injuries and poisonings, and for 52,223, or 33 per cent, of total sick days.

These hazards were also responsible for 64, or 29 per cent, of the cases which led to invaliding from the service; and there were 33, or 13.9 per cent, of the deaths.

Athletic hazards and the results of assaults, fighting, and brawling, which belong in this group, have been separately considered above. "Skylarking" has not been considered. Horseplay, practical jokes, and foolery every year account for a good many injuries. In 1924

there were 120 admissions for such injuries, representing 1.7 per cent of the total, with two deaths. In one case a man was accidentally

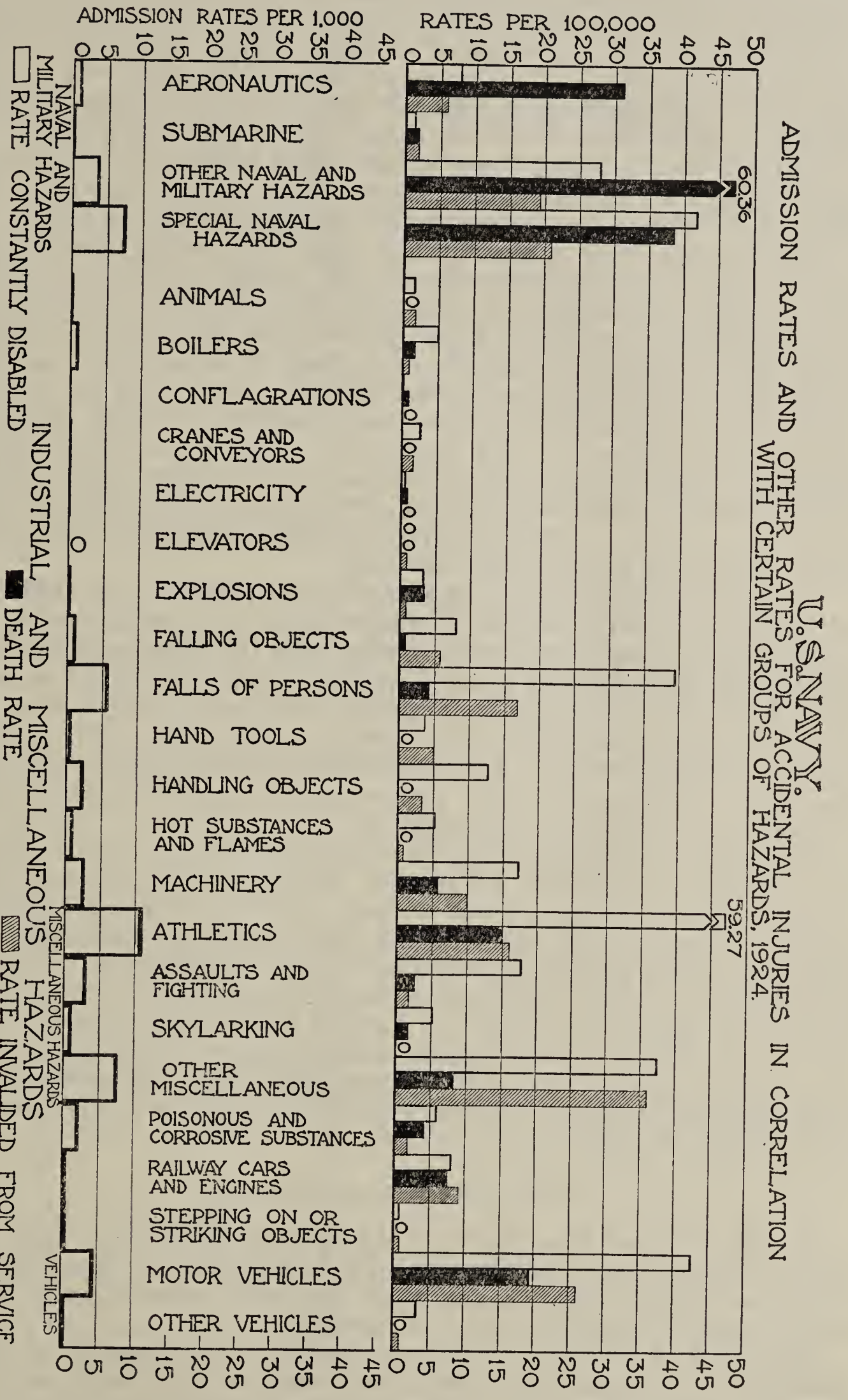

Chart 4

kicked in the abdomen while skylarking. The injury caused a rupture of the intestines. At operation an irregular tear was found in the

sigmoid flexure. The patient was in a state of extreme shock when the abdomen was opened and he died on the operating table. The other death was that of a midshipman at the Naval Academy. He was led to jump overboard in the course of some traditional exercises connected with the privilege of wearing a class ring. He became entangled in the lines of a submerged boat and drowned. There was no injury resulting from such cause that required invaliding from the service. There were 2,358 sick days; 1.6 per cent of the total.

Cutting and piercing instruments other than hand tools were responsible for 133 admissions (1.8 per cent), 1,684 (1 per cent) sick days, and 2 discharges for permanent disability, with no death.

Other outstanding hazards in this class were twisting and turning which caused 46 admissions; lifting and pulling, 59 admissions, with 3 discharges for permanent disability; hazards connected with the cooking and preparation of foods other than those connected with the operation of galley and bakeshop machines, 47 admissions; and miscellaneous hazards such as storms on land, heat of the day or overexposure to cold, ill-fitting shoes, inadequate illumination, poisonous insects and reptiles, etc., 99 admissions. There were three deaths. One was caused by a snowslide and one by a tornado while the men were on leave, and the third resulted from an attempt to jump from one ship to another. The victim struck a line attached to a boat davit and was thrown heavily upon his head.

A total of 556 admissions resulted from a considerable number of unclassified hazards, no one of which caused more than one or two admissions. There were seven deaths, and the associated causes in these cases illustrate the great diversity of the unclassified hazards. One man was found dead of injuries in a hotel room. One was reported to have drowned while duck shooting. One man who disappeared was thought to have committed suicide by drowning, but the body was not recovered. Four were drowned, but attending circumstances could not be ascertained.

Under the heading of unclassified hazards there are to be considered 38 discharges from the service by reason of physical disability. Twenty-nine were on account of faulty union of fractures and two were for chronic dislocations, which had existed prior to enlistment. One man was struck by a sentry and permanently disabled. One was handling a hose line, and water pressure caused the nozzle to strike him. One man fell and injured himself while walking in his sleep. An officer fell and injured himself while running for a train in a subway station and permanently damaged his knee. Sunstroke led to one discharge, and one man was struck in the eye by flying seaweed, eventually losing the use of his eye.

NAVAL AND MILITARY HAZARDS

It will be noted that many of the injuries which have been considered above must, broadly speaking, be regarded as resulting from naval or military hazards, but there are good reasons for grouping certain special hazards under this heading.

The work of the Navy of course involves the operation of ships, and certain hazards related thereto are to be found on board merchant vessels. Again, the Navy performs military duties, and of course it includes the Marine Corps. In addition, some hazards are peculiar

to the naval service. Aviation hazards, while not limited either to the Army or Navy, are also properly classed hereunder, and as a matter of fact certain features of aviation in the Navy are strictly naval in character. The causes or hazards listed under this heading in the complete table at the end of this section will make the reasons for this classification apparent.

Naval and military hazards as listed were responsible for 1,480 admissions or approximately 20 per cent of all admissions for injuries and poisonings, and for 32,069 sick days, or about 20 per cent of the total. There were 149 deaths, or 61 per cent of the deaths resulting from injuries and poisonings, or 30 per cent of all deaths during the year, accounting for 1.25 of the 4.18 per 1,000, which was the crude death rate. These deaths and likewise nonfatal accidents are discussed under appropriate headings below. Forty-nine cases in this class led to discharge from the service by reason of permanent disability. This figure represents 22 per cent of all invalidings for injuries and poisoning. The character of disability caused by these groups of hazards is indicated in a special table at the end of this section.

Aeronautic hazards are of so much importance and special interest that they will be taken up separately after the other groups comprising naval and military hazards have been discussed.

Submarine hazards.—In most years comparatively few accidents occur on board submarines, and 1924 was not an exception.

Eighteen admissions were recorded for injuries received in connection with the operation and upkeep of submarine engines and batteries. One death was caused by the bursting of a Diesel engine. One man injured in a battery explosion was subsequently discharged for permanent disability. These were all the injuries reported as occurring in connection with the operation of submarines. There were 502 sick days.

Instructions require that all admissions for disease of any kind incident to the peculiar living conditions aboard submarines or to the operation of the boats shall be specially designated. There were no such admissions in 1924.

Other naval and military agents and hazards.—This group of hazards was responsible altogether for 421 admissions to the sick list, or about 6 per cent of all injury and poisoning admissions; for 10,279 sick days, or 6.6 per cent of the total; for 71 deaths, or 29 per cent; and for 22 discharges from the Navy for permanent disability, or 10 per cent of all invalidings other than for disease.

So far as the admissions are concerned, the hazards which were reported with the greatest frequency were explosion of gunpowder, 86; drilling at great guns other than during target practice, 74; handling of explosives and projectiles, including machinery provided therefor such as ammunition hoists, tackle for stowing, etc., 67; emergency drills, infantry drill, physical drill, etc., 38; gunshot wounds caused by small arms, 32; injury of members of gun crews during battle practice, 22; handling of and drilling with torpedoes, 17; and explosion of cartridges, 9. The other hazards in this group will be found listed in the complete table at the end of this section.

In addition to the wounds caused by small arms, as mentioned above, 30 men received wounds from pistols, rifles, shotguns, etc., under diverse circumstances away from naval jurisdiction. For con-

venience, these are shown in the complete table along with naval and military hazards, the character of the weapon being indicated in each case, and the fact that the injuries were not received within a naval command is also indicated. The serious nature of such hazards as those involved in the handling of high explosives, firing of turret guns, constant handling of small arms, etc., is likely to involve fatal injuries when accidents occur. Explosion of gunpowder in a turret on board the U. S. S. *Mississippi* during battle practice caused 48 of the 71 deaths. Three officers and 45 enlisted men were killed. In an explosion of gunpowder on board the U. S. S. *Trenton* 1 officer and 13 enlisted men were killed. The remaining deaths attributable to hazards designated as other naval and military agents and hazards were: Crush by gun carriage during Field Artillery drill, 1; fall of shell from ammunition hoist, crushing pelvis and thighs, 1; drowning caused by being swept overboard by target-raft towing line during battle practice, 1; drowning while fording a river on horseback in the performance of military duty, 1; and wounds inflicted by small arms, 5.

Special naval hazards.—The full list of hazards included under this heading is shown in the complete table at the end of this section. These causes were responsible for 897 admissions, or 12.4 per cent of all injury and poisoning admissions; for 17,912 sick days, or 11.5 per cent; for 41 deaths, or 12.8 per cent; and for 24 discharges by reason of permanent disability representing 11 per cent of all discharges resulting from injuries and poisonings.

Individual hazards which caused most of the admissions were: Falls while ascending or descending hatchway ladders, 229; accidents connected with the handling of small boats (including injuries to passengers), 126; lines, cables, and fenders, not including lines or cables used for transmission of power, 70; falls from hammocks, 67; excessive heat in firerooms, 49; excessive heat in engine rooms, 13; storms or heavy weather at sea, including injuries resulting from rolling and pitching, 60; handling of mess tables and benches, 60; falling or unsecured hatch covers, 53; falls through cargo hatches or other open hatches, 43; coaling ship casualties, 46; falls overboard from naval vessels, 20; and anchor gear accidents, 16. Only an occasional admission was recorded for other hazards in this class. These are indicated in the complete table.

It may be of interest to note that poisonous and other dangerous fish were responsible for the following cases: Five men were poisoned by sting rays, 4 by jelly fish; 4 men had their feet wounded by stepping on sea urchins, 1 man was stung by a scorpœna while his ship was in the Mediterranean; and 1 man was bitten by a shark, but recovered after 50 sick days.

Accidents with small boats, exclusive of machinery hazards, were responsible for 8 of the 41 deaths. The overturning of a canoe in the Potomac River near Quantico, Va., led to the drowning of 4 marines at the same time. The accident was caused by a sudden squall. While such accidents do not represent nautical hazards peculiar to the Navy, all accidents with small boats have been grouped in this class. In this instance the marines were reported as being within command when the accident occurred.

Two men slipped and fell overboard from small boats and were drowned. One man was drowned when a boat was swamped in the surf at Panama. One man was drowned when a boat capsized.

Five deaths resulted from falling through cargo hatches or other open hatches. In one of these cases a man was removing the hatch cover when he fell through.

One man was fatally injured while coaling ship. One man drowned while engaged in deep-sea diving.

Falls overboard from naval vessels led to 16 deaths by drowning during the year.

The fall of a hatch cover which was not properly fastened was responsible for one death and the parting of a steel cable for one.

One death was attributed to excessive heat in the fireroom. Heat exhaustion was recorded as the cause of death.

Three men were washed overboard during heavy weather at sea. Four deaths by drowning occurred when the U. S. S. *Tacoma*, after grounding near Tampico, Mexico, was pounded by heavy seas.

In addition to the 41 deaths mentioned above, 3 men were drowned by the capsizing of canoes while away from naval jurisdiction, and 1 man fell from a sampan while returning to his ship in the Whangpoo River at Shanghai.

The hazards involved in the cases which led to discharge from the Navy by reason of permanent disability, as well as those associated with fatal injuries, are indicated for all cases in the complete table at the end of this section of the report.

AERONAUTIC ACCIDENTS AND INJURIES

There were in all 144 admissions resulting from aeronautic hazards. Of these, 65 were for injuries not regarded by the medical officers reporting the cases as having been received under actual flight conditions, defined for the purposes of vital statistics as existing from the time preparations for flight have been completed until the aircraft has returned to the ground and come to a standstill, or in the case of a balloon until it has been moored and the crew has had opportunity to land.

Recently, a method has been put into practice by which it will be possible to handle all basic statistical data separately for personnel engaged in flying or connected with aeronautics. Data collected prior to July 1, 1925, can not be so treated except in injury cases involving aeronautic hazards. Heretofore it has not been possible to sort out diseases and injuries contracted by aviators except those incurred while engaged in flying. To make the statistics which will be separately compiled for aeronautic personnel in the future still more specific, such personnel for the purposes of vital statistics has been divided into (*a*) Flight personnel—i. e., those who engage in actual flying; and (*b*) Ground personnel—i. e., officers and enlisted men assigned to aviation units who are not fliers but are exposed to certain aeronautic hazards.

In 1924, according to figures furnished by the Bureau of Aeronautics, there were 1,384 officers and enlisted men of the Navy and Marine Corps under flight orders. Other officers and men were, as passengers upon their own request, exposed from time to time to the hazards of flying, but except in cases where injuries proved fatal the data as collected do not make it possible to state how many of the admissions resulting from flight hazards were of flight personnel or how many were of other persons belonging to the Navy and Marine Corps.

In 1924, flight accidents caused 30 deaths among flight personnel. In addition, two passengers were killed. The death rate from injuries received under flight conditions therefore was 21.68 per 1,000 of flight personnel.

In view of several requests by life insurance companies for accurate data upon which to base experience tables for aviators, a careful study of available records was made during the year. As a result of that study the following table was prepared to show death rates by years, 1921 to 1924, inclusive, from deaths occurring among naval aviators and student naval aviators as a result of actual flight hazards. The figures are as follows:

Year	Average strength	Deaths	Rate per 1,000	Year	Average strength	Deaths	Rate per 1,000
1921	472	15	31.78	1923	359	10	27.86
1922	375	14	37.33	1924	375	14	37.33

The figures for average daily strength given in this table of course represent only officer flight personnel. Figures for enlisted flight personnel are not included in the table because sufficiently accurate data are not obtainable. The admission rate for the officer flight personnel for injuries received under flight conditions in 1924 was 53.33 per 1,000. Corresponding rates for previous years can not be computed. The complement figures for total flight personnel obtained for the preparation of previous annual reports must have included all personnel assigned to aviation duties, for it is obvious that in no one of the years for which rates were given was the actual flight personnel as great as the figures indicated. From figures recently obtained it now appears that the average daily strength of flight personnel was 1,252 in 1921; 1,150 in 1922; and 1,216 in 1923. With these figures death rates from injuries received under flight conditions, all flight personnel, were:

Year	Flight personnel	Deaths	Rate per 1,000	Year	Flight personnel	Deaths	Rate per 1.000
1921	1,252	19	15.18	1923	1,216	19	15.63
1922	1,150	21	18.26	1924	1,384	30	21.68

It is not possible to separate injuries of flight personnel received under flight conditions from injuries of other persons in the Navy received while flying, either for 1924 or for previous years. Therefore, rates based on the numbers of admissions and average strength of flight personnel in the several years would not be true rates although in each of the years nearly all of the injuries recorded were doubtless of flight personnel. With these qualifying remarks the figures are presented:

Year	Flight personnel	Admissions, injuries, received under flight conditions	Rate per 1,000	Year	Flight personnel	Admissions, injuries, received under flight conditions	Rate per 1,000
1921	1,252	100	79 87	1923	1,216	63	51.82
1922	1,150	62	53 91	1924	1,384	79	57.08

During the year, 80,674 separate flights were made, extending over 47,587 flying hours. The 79 admissions to the sick list for injuries received under flight conditions, most of which were of flight personnel, and the 32 deaths, including the deaths of two passengers, when considered in relation to these figures give the following ratios for comparison with corresponding ratios of the preceding three years:

	1924	1923	1922	1921
Flight personnel	1,384	1,216	1,150	1,252
Persons injured per 1,000 flights	0.98	0.71	0.83	2.01
Deaths per 1,000 flights	.40	.21	.30	.78
Admission rate per 1,000 flying hours	1.66	1.05	1.25	2.51
Death rate per 1,000 flying hours	.67	.32	.46	.98

Injuries received under flight conditions.—Of the 79 admissions, crashes were responsible for 68. The other 11 admissions were for the following injuries. One man received a lacerated wound of the hand from contact with a radio propeller blade during flight in an airplane. One man was thrown from a plane in making a landing at night. He had one tooth broken off. Four men received hand and wrist injuries resulting from backfire of gasoline motors in dirigible balloons. Two men in being thrown about by the motion in sea planes were hurt. One suffered a fracture of the radius and ulna and the other a lacerated wound of the right hand. There were two parachute accidents; the injuries were fatal in one case and a simple sprain resulted in the other. One man in walking aft on board a seaplane came into contact with the revolving propeller. His face and front part of the head was sliced off. The victim was a reserve officer, an experienced aviator, well aware of the hazard.

Crashes.—For the purposes of vital statistics the term "crash" is considered to include all accidents to planes resulting from forcible impact with water, the ground, or with any object while taking off, during flight, or in landing.

There were 131 crashes during the year. In 96 instances nobody was injured. Fatal injuries were received in 17 crashes.

The nonfatal injuries resulting from 35 crashes were as follows:

Injuries to face and head:	
Wounds	6
Contusions	3
Fracture, inferior maxilla	1
Upper extremities:	
Fracture of humerus	3
Fracture of radius and ulna	1
Lower extremities:	
Fracture of tibia	1
Fracture of tibia and fibula	1
Sprain of ankle	1
Contusion of skin	1
Trunk:	
Contusion of abdomen	1
Fracture of ribs	1
Sprain, lumbar region	1
Other injuries:	
Extreme multiple injuries	3
Multiple contusions	8
Multiple abrasions	2
Effect of exposure in water	2
Total	36

Fourteen deaths resulted from 9 crashes of airplanes and 16 from 8 seaplane crashes. In only one of these crashes was a student naval aviator acting as pilot. He was operating a seaplane and lost control in making a turn. He drowned.

The 17 crashes involving loss of life occurred in connection with taking off, landing, or accident while in flight, as follows:

	Airplane		Seaplane	
	Crashes	Deaths	Crashes	Deaths
While taking off	2	2	0	0
While landing	1	2	4	6
In air (collision with other plane)	3	5	0	0
In air, other causes	3	5	4	10
Total	9	14	8	16

Airplane crashes involving loss of life.—The airplane crashes that occurred with taking off consisted in one case of collision with a tree and in the other with the roof of a building. In both instances the planes burst into flames. One pilot was cremated and the other was badly burned about the face. He died five days later with edema of the lungs.

The accident in which an airplane crashed while a landing was being made occurred near Garrisonville, Va. As a result of the impact the gasoline tank was ruptured and the plane caught fire. Both occupants of the plane died from the effects of multiple burns.

Airplanes collided with other planes in the air in three instances. Two of the collisions were responsible for two deaths each and the other for one death. Death resulted from extreme multiple injuries in all five cases.

Other conditions encountered while planes were in the air caused three airplane crashes. In one case the plane fell in a tailspin while stunts were being tried. There was one passenger in the plane and he was killed. The pilot was not severely injured. In another case when a reverse turn was attempted the plane proved to be too near the ground. It crashed and caught fire. There were two occupants. Both died with multiple burns. In the third case a tailspin preceded the crash. There was one passenger in the plane. He was killed in the impact. The pilot died about a month later from septicemia complicating multiple injuries received in the crash.

Seaplane crashes involving loss of life.—No fatal accidents occurred in taking off.

Of the four crashes which occurred while landing, one was largely accounted for by the fact that the pilot was blinded by the sun. The pilot was not severely injured but the other occupant was drowned. In one instance a seaplane in landing at the Naval Air Station, Hampton Roads, Va., nosed under a water front structure. A civilian, ill with pneumonia, was being brought from Cape Hatteras via seaplane ambulance. The patient was killed and the hospital corpsman attending him died from a compound fracture of the skull. Besides the pilot there was one other occupant. One was drowned and the other died from multiple wounds of the chest and abdomen. In another instance a high wind caused a seaplane to capsize in land-

ing. A passenger jumped from the plane against advice of the pilot and was drowned. In the fourth of the crashes connected with landing the pilot received extreme multiple injuries and died almost immediately.

Four seaplane crashes involving loss of life resulted from conditions encountered while in the air. In one case in making a sharp left turn a large seaplane with six occupants slipped, stalled, and fell in a tailspin. Five of the occupants drowned and one died from extreme multiple injuries. Another seaplane fell from a distance of about 150 feet. A radio man on duty in the plane received a compound fracture of the tibia and fibula and died later from infective gangrene. A seaplane crashed near the naval training station, Great Lakes, Ill. The pilot and the other occupant both died from compound fractures of the skull. The fourth seaplane crash was that mentioned above in which a student naval aviator was acting as pilot. He was drowned.

It will be noted that in the cases of 14 persons killed in airplane crashes, 8 died from extreme multiple injuries and 6 from fatal burns resulting from conflagration of the plane, while of the 16 deaths resulting from seaplane crashes, none was due to burns, but drowning was responsible for 9, fractures of the skull for 3, extreme multiple injuries for 3, and secondary infection with gangrene for 1.

Only two officers or enlisted men were invalided from the service during the year because of injuries received under flight conditions. Both were enlisted men. One was injured in an airplane crash and the other in a seaplane crash.

Injuries received under other than flight conditions.—There were 65 admissions for such injuries. The particular hazards involved were as follows: Revolving airplane or seaplane propellers, 6 admissions; backfire of motor, 11; injury of persons other than occupants while taking off or landing, 4; revolving radio generator propeller, 11; falls from aircraft not in flight, 6; getting out of aircraft, 5; handling planes other than on runways, 5; handling planes on runways, 3; repairs to aircraft other than to machinery, 4; repairs to and testing aircraft machinery, 1; arresting gear, 2; falls on board aircraft not connected with flight, 1; towing tractors, 1; handling of lines for dirigibles by ground personnel, 1; handling of seaplane anchors, 1; fall while carrying occupant from seaplane, 1; fall into balloon well, 1; and crush by hangar door, 1.

The injuries in the last two cases mentioned were fatal. There were two other deaths. In one of the cases a man in climbing aboard a seaplane was struck by a revolving propeller. In the other case an airplane in taxi-ing across a field struck an aviation officer. He was not conscious that the plane was near and the pilot did not see him. The propeller blades struck him and he died from extreme multiple injuries.

As a result of injuries received under other than flight conditions four enlisted men were discharged for permanent disability during the year. No officer was invalided from the service.

DROWNING FROM ALL CAUSES

In 1924, 79 persons belonging to the Navy and Marine Corps were drowned.

In 33 cases the accident was connected with work and in all 62 of the 79 were within naval commands when drowned. In 15 cases of accidental drowning the men were on leave or liberty, and 2 men committed suicide by drowning.

The hazards connected with these 79 drownings may be summarized as follows:

NAVY AND MILITARY HAZARDS (48)

Aeronautic hazards: (10)	
Seaplane crashes	9
Fall with parachute	1
Other naval and military agents and hazards: (2)	
Target towing and repair party, swept overboard by line	1
Fording river on horseback	1
Special naval hazards: (35)	
Handling small boats— (12)	
Falls from motor boats	2
Swamped in surf	1
Capsizing of canoes	7
Capsizing of wherry	1
Fall from sampan	1
Falls overboard from naval vessels— (16)	
From gunport while cleaning gun	1
From ship's deck while securing punt	1
From taffrail while emptying garbage	1
From deck while working on life line	1
From ridge rope of boat davit	1
From gangplank between ships	3
From deck of destroyer while wrestling	2
Accidental falls from naval vessels, exact circumstances unknown	6
Storms and heavy weather at sea— (7)	
Wave-swept grounded ship	4
Swept overboard during storm	3
Deep-sea diving: (1)	
Diver improperly dressed—Loose helmet	1

INDUSTRIAL AND MISCELLANEOUS HAZARDS (29)

Falls of persons: (2)	
Falls overboard other than from ship—	
Fall from sea wall	1
Fall from dock	1
Machinery hazards: (5)	
Gasoline explosions, motor boat engines—	
Jumped overboard	5
Miscellaneous hazards: (20)	
Skylarking	1
Swimming (within command)—	
Instruction in swimming	0
Swimming call	0
Swimming parties at beaches, etc	7
Fall from dock, ledge, shallow water, etc., into deep water	2
Swimming in deep water other than alongside ship	1
Swimming while on leave or liberty—	
At beaches	2
Swimming hole	1
In river	1
Attempted to desert by swimming from Parris Island, S. C	1
Drowned while duck shooting	1
Bodies recovered, cause of drowning unknown	3
Motor vehicles: (2)	
Closed automobile driven off bridge	2

SUICIDAL DROWNINGS (2)

Jumped overboard	2

To summarize the data relating to accidental injuries and poisonings, two tables are presented on page 187 and page 193.

The first table is complete with respect to individual hazards. It shows all admissions for injuries and poisonings, exclusive of attempted suicide and injuries inflicted with homicidal intent listed according to the various individual hazards and classes of hazards. For each particular hazard the figures are divided to indicate whether disability occurred within a naval command or while on leave or liberty. For injuries or poisonings occurring within command it is further shown whether they were connected with work or not so connected, and also whether the disability was reported as due to fault of personnel, fault of material, or to no apparent fault. Opposite the various hazards are shown deaths, number of individuals invalided from the service, and total sick days.

The second table indicates by groups or classes of hazards the types of injuries that occurred, classed as to form of disability according to standard practice of the United States Department of Labor.

For each group of hazards, admissions, deaths, and numbers invalided from the service are given correlated with the 13 types of disability so that case fatality rates and rates for those invalided from the service can be constructed. In addition the total number of sick days for each of the two general classes of hazards are shown according to type of injury.

General statistical Table No. 1, beginning on page 522, shows all of the admissions grouped according to character of lesion and anatomical location, but correlation with accident hazards is not indicated, except that certain relationships are shown by key and specialty letters as explained in the introductory remarks on page 519.

In addition to admissions under injury and poisoning titles, 84 admissions recorded under disease titles are of interest in connection with the study of accident hazards. There were 69 admissions for dermatitis venenata, 48 for poison ivy and poison oak, 17 for dermatitis caused by chemical agents, and 4 by unclassified causes. There were 6 admissions for dermatitis ascribed to occupational or traumatic causes. There were also 9 cases of traumatic conjunctivitis.

There is, of course, a relationship which can not always be traced for statistical purposes between accident hazards and some of the admissions under such titles as cellulitis and abscesses, ulcer of the cornea, and lymphadenitis.

CAUSES OF INJURY, CALENDAR YEAR 1924

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
NAVAL AND MILITARY HAZARDS										
Aeronautics:										
Airplane, crash	------	1	24	------	------	------	1	12	1	744
Airplane, during flight (not crash)	------	1	1	------	------	------	------	------	------	2
Airplane, explosion and burning of	------	------	2	------	------	------	------	2	------	25
Seaplane, crash	------	2	34	------	------	------	------	12	1	719
Seaplane, during flight (not crash)	------	3	3	------	------	------	------	4	------	198

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings—Continued

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
NAVAL AND MILITARY HAZARDS—contd.										
Aeronautics—Continued.										
Balloon, handling lines in take-off (ground personnel)	------	------	------	------	------	------	------	------	1	193
Dirigible, during flight (not catastrophe)	------	1	3	------	------	------	------	------	------	117
Parachute	------	------	2	------	------	------	------	1	------	2
Air or seaplane propellers, during flight	1	------	------	------	------	------	------	1	------	0
Air or seaplane propellers, not flight	2	------	5	------	------	------	------	1	1	106
Back fire of motor (not flight)	------	2	9	------	------	------	------	------	------	305
Injury to other than occupants of aircraft while taking off or landing	------	------	4	------	------	------	------	1	------	2
Radio-generator propeller	1	6	4	------	------	------	------	------	------	319
Other aeronautic causes (not flight)	3	------	29	------	------	1	------	2	2	686
Total	7	16	120	------	------	1	1	36	6	3,418
Submarine:										
Submarine, engines, machinery, and batteries	1	2	15	------	------	------	------	1	1	502
Total	1	2	15	------	------	------	------	1	1	502
Other naval and military agents and hazards:										
Bayonet	1	------	1	------	1	------	------	------	------	30
Blank cartridge, explosion of	2	------	1	------	------	------	------	------	------	117
Bomb, explosion of (also hand grenade)	1	------	3	1	------	------	------	------	------	297
Cartridge, explosion of	3	2	4	3	------	------	------	------	2	229
Drill, artillery	------	------	1	------	------	------	------	1	------	1
Drill, great guns (not target practice)	7	------	67	------	------	------	------	------	------	1,043
Drill, other	1	------	37	------	------	3	------	------	3	847
Drill, loading machine	1	1	3	------	------	------	------	------	1	35
Explosives and projectiles, handling of, including machinery for	11	3	53	------	------	------	------	1	------	2,705
Gunpowder, explosion of	------	1	85	------	------	------	------	62	7	1,248
Marching, not infantry drill	------	------	10	------	------	------	1	------	------	151
Mine, land, explosion of	------	------	1	------	------	------	------	------	------	4
Mine, sea, laying, sweeping or handling of	------	------	6	------	------	------	------	------	------	589
Pistol, ball or explosion of	2	1	6	1	------	2	21	1	2	1,855
Rifle, ball or explosion of	5	2	6	1	------	1	4	2	2	504
Saluting gun or charge	------	------	1	------	------	------	------	------	------	19
Shell, explosion of	------	------	1	------	------	1	------	------	1	102
Shotgun	------	------	3	1	------	1	5	2	1	416
Shrapnel	------	------	------	------	------	------	1	------	------	30
Shell fire	------	------	1	------	------	------	1	------	------	15
Target practice, small arms	------	------	4	------	------	------	------	------	------	189
Target and battle practice, great guns (gun crew)	1	1	20	------	------	------	------	------	2	364
Target and battle practice, great guns (target repair and towing party)	------	------	11	------	------	------	------	1	------	183
Torpedo, fired	------	------	1	------	------	------	------	------	------	9
Torpedo, handling of, drill, etc	3	1	13	------	------	------	------	------	------	511
Turret accidents (not drills)	1	------	4	------	------	------	------	------	1	477
Other naval and military agents and hazards	------	------	9	------	------	1	------	------	------	204
Fording river on horseback	------	------	1	------	------	------	------	1	------	0
Total	39	12	353	7	1	9	33	71	22	12,174

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings—Continued

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
NAVAL AND MILITARY HAZARDS—contd.										
Special naval hazards:										
Anchor gear	------	------	15	------	------	1	------	------	2	617
Boats, handling of, other than machinery accidents (includes accidents to passengers)	4	2	99	1	------	21	19	12	1	2,558
Cargo hatch or open hatch, falls through	11	1	23	1	3	4	1	5	2	1,636
Cargo sling	------	------	5	------	------	------	------	------	------	58
Coaling ship	1	5	38	1	------	------	------	1	2	1,371
Diving, sea	------	------	2	------	------	------	------	------	------	1
Fall overboard	1	1	6	1	------	11	1	16	3	132
Grounding of ship	------	------	------	------	------	------	------	------	1	0
Hammock, fall from	------	------	------	2	------	65	------	------	3	1,350
Hammock, fall of	------	------	------	1	6	1	------	------	------	176
Hatch cover	12	3	35	1	1	1	------	1	1	1,543
Hatchway and ladder, slipping, stumbling and falls on	8	4	184	5	2	26	------	------	4	4,142
Heat, excessive, engine room	------	------	13	------	------	------	------	------	------	87
Heat, excessive, fireroom	------	------	49	------	------	------	------	1	------	158
Lines, cables, fenders, not used for power transmission	5	7	58	------	------	------	------	1	1	1,662
Mess tables and benches	3	3	50	------	1	3	------	------	1	1,046
Poisonous fish:										
Jelly fish	------	------	------	------	------	4	------	------	------	33
Portugese man o'war	------	------	------	------	------	------	1	------	------	1
Sting ray	------	------	------	------	------	1	4	------	------	18
Sea urchin	------	------	------	------	------	9	1	------	------	70
Scorpœna	------	------	------	------	------	1	------	------	------	7
Shark	------	------	------	------	------	1	------	------	------	50
Storm or heavy weather at sea, also result of motion of ship	------	2	48	1	9	------	------	7	1	1,158
Water-tight door	2	1	10	2	------	------	------	------	1	356
Other nautical hazards	------	------	------	------	------	------	------	------	1	0
Total	47	29	635	16	13	158	27	45	24	18,230
Grand total, naval and military hazards	94	59	1,123	23	14	168	61	153	53	34,324
Grand total, sick days, naval and military hazards	2,123	1,339	24,801	698	252	2,856	2,255	------	------	34,324
INDUSTRIAL AND MISCELLANEOUS HAZARDS										
Animals:										
Horse or mule	1	------	9	------	------	2	16	------	2	612
Dog	------	------	1	------	------	3	2	------	------	29
Unclassified	1	------	------	------	------	------	------	------	------	25
Total	2	------	10	------	------	5	18	------	2	666
Boilers:										
Steam boilers, explosion of	------	2	2	------	------	------	------	1	------	36
Steam boilers, all other causes	8	8	86	------	------	------	------	1	------	1,706
Steam pipes, all other causes	2	4	10	------	------	3	1	------	------	250
Steam and hot-water gauges, explosion of	------	3	------	------	------	------	------	------	1	195
Total	10	17	98	------	------	3	1	2	1	2,187
Conflagrations:										
Conflagrations	------	------	3	------	------	------	1	1	------	30
Total	------	------	3	------	------	------	1	1	------	30

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings—Continued

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
INDUSTRIAL AND MISCELLANEOUS HAZARDS—continued										
Cranes and conveyers:										
Blocks, tackles, windlasses, capstans, and winches (not anchor gear)	1	5	13	1	------	1	------	------	1	1,105
Total	1	5	13	1	------	1	------	------	1	1,105
Electricity:										
Electricity	1	1	14	------	------	------	1	1	------	195
Total	1	1	14	------	------	------	1	1	------	195
Elevators:										
Elevators	------	------	------	------	------	------	------	------	1	0
Total	------	------	------	------	------	------	------	------	1	0
Explosions:										
Explosions, gasoline and other petroleum products	22	5	11	2	------	------	4	4	1	1,277
Explosions, other	------	------	2	------	------	------	3	------	------	162
Total	22	5	13	2	------	------	7	4	1	1,439
Falling objects (not being handled by injured):										
Falling objects	19	5	101	------	------	15	6	1	7	3,535
Total	19	5	101	------	------	15	6	1	7	3,525
Falls of persons:										
From elevations	3	3	57	------	------	8	8	3	10	3,498
Stairs and steps	------	------	20	------	------	20	16	------	1	1,664
Staging and scaffolding	2	8	25	------	1	1	------	------	1	1,462
Slipping on level	3	2	278	2	1	70	50	------	7	8,351
Stumbling	3	------	66	2	1	35	20	------	1	2,242
Falls overboard, other than from ships or boats	------	------	------	------	1	1	------	2	------	0
Total	11	13	446	4	4	135	94	5	20	17,217
Hand tools:										
Hand tools	4	4	60	------	------	------	6	------	6	1,582
Total	4	4	60	------	------	------	6	------	6	1,582
Handling of objects:										
Handling of objects	6	1	183	1	------	2	------	------	4	3,714
Sharp or rough objects	7	2	57	4	------	10	28	------	------	1,915
Total	13	3	240	5	------	12	28	------	4	5,629
Hot substances and flames:										
Hot water	9	1	27	1	------	------	------	------	------	519
Other hot liquids	2	2	24	------	------	2	------	------	------	880
Molten metal	1	------	6	------	------	------	------	------	------	74
Flames, all other	------	2	5	------	------	------	------	------	1	271
Flareback, oil-burning boiler	2	5	17	------	------	------	------	------	------	416
All other hot objects	1	------	9	2	------	2	1	------	------	146
Total	15	10	88	3	------	4	1	------	1	2,306

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings—Continued

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
INDUSTRIAL AND MISCELLANEOUS HAZARDS—continued										
Machinery:										
Prime movers—										
Steam engines	4	5	45							1,233
Gas or gasoline engines	8	4	43	1		3	23	5	1	1,663
Electric motors and dynamos	1	1	11					1		423
Power-working machinery—										
Metal-working machines—										
Lathe	1	5	14							242
Drill press		3	1							72
Emery wheel	3	5	11							163
Woodworking machines—										
Planer	1	3	11							322
Circular saw	1	4	13						1	620
Joiner		2	8						2	277
Laundry machines	1		4						1	351
Food-products machines—										
Bread cutters	3	1	5							149
Food grinders and choppers	2	1	8				1		2	334
All other machines	7	5	51				7	1	4	1,682
Total	32	39	225	1		3	31	7	12	7,531
Miscellaneous:										
Skylarking	1			8		103	8	2		2,358
Assault	2		3	5		17	71			2,619
Athletics—										
Baseball				1		323	30		5	7,203
Boxing			1			187	12		2	4,553
Football						340	7		3	7,048
Basket ball						54	7		4	1,248
Lacrosse						6				156
Soccer						7	1			53
Swimming						69	49	17	1	1,314
Wrestling						88	6		1	1,593
All other athletics						127	21	1	3	2,621
Cutting and piercing instruments, not included under hand tools, handling of objects, or stepping on or striking against objects—										
Knife	6		48	4		9	6		1	1,137
Needle or pin			2	1		3			1	101
Razor or razor blades			3	1		2	2			86
Steel chip or fragment	4	4	30			1	1			360
Darkness or insufficient light		3	2	1						65
Excessive cold			1							25
Excessive heat (not engine or fire room)			8	1		2	3			94
Fighting or brawling (with naval personnel)	2		7	22		111	84	2	2	4,087
Fighting or brawling (with civilians)						1	51	1		1,023
Jumping (not athletics)	1		13			5	3	1		658
Land or snow slides							2	1		8
Oxygen deprivation		1	1							4
Shoes, ill-fitting			21			2				167
Storm on land							1	1		0
Twisting and turning			29			9	8			802
X-ray burns					1					287
Lifting and pulling	1		56				2		3	1,327
Galley injuries	2		44			1				1,257
Searchlight rays		2								7
Sunburn			13	1		2	10			100
Poisonous insects			2			1	1			22
Poisonous reptiles			1							3
Other miscellaneous injuries	22	16	297	12	1	78	128	7	38	9,857
Total	41	26	582	57	2	1,548	514	33	64	52,223

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing numbers of admissions, deaths, invalided from service, and sick days for each cause, with totals for special groupings—Continued

	Within command						Leave or liberty, etc.	Deaths	Invalided from service	Sick days
	Work			Not work						
	Fault of personnel	Fault of matériel	Fault not apparent	Personnel	Matériel	Other				
INDUSTRIAL AND MISCELLANEOUS HAZARDS—continued										
Poisonous and corrosive substances:										
Poisonous substances—										
From handling or contact with—										
Miscellaneous	4	------	22	1	------	6	4	------	------	572
Arsenic compounds, antisyphilitic treatment (intravenous)	------	------	------	------	------	25	------	------	2	621
Eucain (local anesthesia)	------	------	------	------	------	1	------	------	------	9
From inhaling fumes	------	------	5	------	------	1	3	2	------	53
From swallowing	------	1	------	10	------	103	18	3	------	421
Corrosive substances—										
From handling or contact with—										
Miscellaneous	2	1	12	3	------	------	2	------	------	321
Lye	9	------	26	1	------	2	------	------	------	548
From inhaling fumes	------	------	2	------	------	------	------	------	------	4
From swallowing	1	------	------	1	------	1	------	------	------	40
Total	16	2	67	16	------	138	28	5	2	2,589
Railway cars and engines:										
Railroad	------	------	5	------	------	1	26	9	5	1,535
Street car	1	------	1	------	------	------	19	------	6	2,003
Total	1	------	6	------	------	1	45	9	11	3,538
Striking on or striking against objects:										
Nails and splinters	6	------	43	------	------	4	4	------	1	358
Total	6	------	43	------	------	4	4	------	1	358
Vehicles:										
Automobile and other power vehicles—										
Automobile	5	2	43	4	------	24	278	16	19	11,751
Automobile truck	11	1	57	2	------	1	12	5	9	3,053
Motor cycle	1	------	27	------	------	11	68	2	3	3,811
Tractor	------	------	6	------	------	------	1	------	------	105
Bicycles	------	------	7	------	------	1	6	------	1	529
Animal-drawn vehicles	1	------	6	------	------	------	8	------	------	280
All other vehicles	------	2	8	------	------	------	5	------	------	443
Total	18	5	154	6	------	37	378	23	32	19,972
Grand total, industrial and miscellaneous hazards	212	135	2,163	95	7	1,905	1,163	91	167	122,102
Grand total sick days, industrial and miscellaneous hazards	4,463	3,072	46,618	1,456	348	36,323	28,922	------	------	122,102
Total admissions, all causes	305	194	3,286	118	21	2,073	1,224	244	220	-------
Total sick days, all causes	6,586	4,411	71,419	2,154	600	39,179	32,077	------	------	156,426

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing by groups or classes of hazards, the types of injuries received

	Bruises	Burns and scalds	Concussions	Cuts and lacerations	Punctures	Dislocations	Fractures	Sprains and strains	Drowning	Asphyxiation	Multiple injuries, extreme	Poisonings	Others	Total admissions	Total invalided from service	Total deaths	Total sick days
NAVAL AND MILITARY HAZARDS																	
Aeronautics:																	
Admissions	26	7		22	2	3	39	15	9		16		6	145			
Invalided from service							3						3		6		
Deaths		6		2			5		9		14					36	3,419
Submarine:																	
Admissions	5	5		5			3							18			
Invalided from service													1		1		
Deaths		1														1	502
Other naval and military hazards:																	
Admissions	80	79		118	35	2	57	29	2	13	3		36	454			
Invalided from service	1			4	3		4	1					9		22		
Deaths		50		2	3				2	12	1		1			71	12,174
Special naval hazards:																	
Admissions	255	11	3	146	3	15	179	164	36			11	101	924			
Invalided from service	1	1	1			1	13						7		24		
Deaths				1			6		36				2			45	18,229
Total naval and military hazards:																	
Admissions	366	102	3	291	40	20	278	208	47	13	19	11	143	1,541			
Invalided from service	2	1	1	4	3	1	20	1					20		53		
Deaths		57		5	3		11		47	12	15		3			153	
Sick days	4,254	2,045	152	6,849	1,848	667	14,270	2,042		11	391	64	1,731				34,324
INDUSTRIAL AND MISCELLANEOUS HAZARDS																	
Animals:																	
Admissions	10			5	1	1	6	6					6	35			
Invalided from service							1	1							2		
Deaths																0	666
Boilers:																	
Admissions	32	50		16	1	2	14	9					5	129			
Invalided from service													1		1		
Deaths		2														2	2,187
Conflagrations:																	
Admissions		1								2				3			
Invalided from service															0		
Deaths		1														1	30

CAUSES OF INJURY, CALENDAR YEAR 1924—Continued

Table showing by groups or classes of hazards, the types of injuries received—Continued

	Bruises	Burns and scalds	Concussions	Cuts and lacerations	Punctures	Dislocations	Fractures	Sprains and strains	Drowning	Asphyxiation	Multiple injuries, extreme	Poisonings	Others	Total admissions	Total invalided from service	Total deaths	Total sick days
INDUSTRIAL AND MISCELLANEOUS HAZARDS—continued																	
Cranes and conveyers:																	
Admissions	4	1	1	10			4	1						21			
Invalided from service							2								2		
Deaths																0	1,105
Electricity:																	
Admissions		15											2	17			
Invalided from service															0		
Deaths													1			1	195
Elevators:																	
Admissions														0			
Invalided from service													1		1		
Deaths																0	0
Explosions:																	
Admissions	1	45			1					2				49			
Invalided from service				1											1		
Deaths		4														4	1,439
Falling objects not being handled by injured:																	
Admissions	56		2	42			42	2					2	146			
Invalided from service				1			1						5		7		
Deaths							1									1	3,535
Falls of persons:																	
Admissions	150	1	6	54	1	27	178	268	2		2		18	707			
Invalided from service						2	12	2					4		20		
Deaths							2		2		1					5	17,217
Hand tools:																	
Admissions	14			22	5		17	6					10	74			
Invalided from service				1	1		1						3		6		
Deaths																0	1,582
Handling objects:																	
Admissions	53		1	124	18	2	47	42					14	301			
Invalided from service							1	2					1		4		
Deaths																0	5,626

Hot substances and flames:																		
Admissions	2	120												122				
Invalided from service													1		1			
Deaths																0	2,306	
Machinery:																		
Admissions	39	53	2	149	5	2	35	19	5	2	1		19	331				
Invalided from service				4				1					7		12			
Deaths				1					5		1					7	7,531	
Miscellaneous:																		
Admissions	427	121	13	353	34	90	762	761	21	3	3	5	177	2,770				
Invalided from service	2		1			5	7	8					4		64			
Deaths			3	1			2		21		3		3			33	52,223	
Poisonous and corrosive substances:																		
Admissions		82								2		183		267				
Invalided from service												2			2			
Deaths										2		3				5	2,589	
Railway cars and engines:																		
Admissions	9		2	7			16	12			7			53				
Invalided from service			1				4	1			2		3		11			
Deaths			1				2				6					9	3,538	
Stepping on or striking against objects:																		
Admissions				4	51								2	57				
Invalided from service													1		1			
Deaths																0	358	
Vehicles:																		
Admissions	171	5	13	131	2	8	168	57	2		15		26	598				
Invalided from service	1		3	1		4	16						7		32			
Deaths			1	3			7		2		9		1			23	19,972	
Total industrial and miscellaneous hazards:																		
Admissions	968	494	40	917	119	132	1,289	1,183	30	11	27	188	282	5,680				
Invalided from service	3		5	8	1	11	45	15			2	2	75		167			
Deaths		7	5	5			14		30	2	20	3	5			91		
Sick days	11,591	8,492	1,196	16,275	1,474	4,603	56,733	15,179		13	423	1,352	4,771				122,102	
Grand total, all causes:																		
Admissions	1,334	596	43	1,208	159	152	1,567	1,391	77	24	46	199	425	7,221				
Invalided from service	5	1	6	12	4	12	65	16			2	2	95		220			
Deaths		64	5	10	3		25		77	14	35	3	8			244		
Sick days	15,845	10,537	1,348	23,124	3,322	5,270	71,003	17,221		24	814	1,416	6,502				156,426	

INJURIES INFLICTED WITH HOMICIDAL INTENT

Seventeen persons belonging to the Navy and Marine Corps were admitted to the sick list for injuries inflicted with homicidal intent. The injuries proved fatal in six cases.

All of the 17 patients were enlisted men. Two were chief petty officers and nine were men holding lower ratings in the Navy. Six were marines.

The injuries were received within command in four cases but six resulted from quarrels between service men. In one case a Filipino cook was attacked by a shipmate with a butcher's knife. He received an incised wound of the wrist and recovered. A corporal of marines was struck on the head with an ax by an unknown person while asleep in barracks. He received a lacerated wound of the scalp and recovered. A private marine during an altercation with another was shot in the abdomen with a pistol. He recovered. A boatswain's mate while acting as master-at-arms on board ship was stabbed in the lumbar region. He recovered. A chief boatswain's mate was shot with a pistol in the abdomen, lung, and neck. He died. A marine while attempting to take another back to the naval station to which both were attached was fatally shot in the abdomen with a pistol. The man who shot him was intoxicated.

The other four men who died were killed by civilians. A chief electrician's mate, while intoxicated, got into a quarrel with a civilian in the Pennsylvania Railroad Station, New York City. A blow on the jaw caused fatal intracranial injuries. A coxswain, while intoxicated, attempted to enter a home about eight blocks from his own in Somerville, Mass., and was shot through the head with a pistol by an occupant. A seaman, first class, while on leave in Birmingham, Ala., was reported to have consumed in company with two other men a quart of whisky. Later he was found unconscious with a pistol shot wound of the neck. He died three days later without making an intelligible statement. A private marine from Quantico, Va., was shot by a farmer upon refusing to leave his property on the outskirts of Fredericksburg, Va. He received a shotgun wound of the thigh which severed the femoral artery. He died a few hours later.

The remaining seven nonfatal cases occurred away from naval jurisdiction. Two were reported as unprovoked attacks by civilians in New London, Conn. It was reported that neither man was intoxicated. In both cases the injuries were knife wounds of the arms. In another case a man was stabbed in the back by a prostitute. Both were intoxicated. A gunner's mate, second class, while attempting to settle a dispute between civilians and some of his shipmates in Naples, Italy, was stabbed with a stiletto in the face and buttock. Two men were shot during fights with civilians while on liberty. The circumstances were not ascertained but neither man was reported as intoxicated. In one other case a quartermaster, first class, ashore on liberty, was stabbed in the chest with a knife while intoxicated.

SUICIDE AND ATTEMPTED SUICIDE

Fifty-eight cases of attempted suicide were recorded. Death resulted in 36, or 62 per cent of the cases.

These 36 deaths made the suicide rate 30 per 100,000 of total personnel in 1924. Rates for the preceding 10 years were as follows:

	Rate per 100,000		Rate per 100,000
1914	31	1919	17
1915	30	1920	22
1916	34	1921	21
1917	19	1922	18
1918	15	1923	30

Suicide rates separately for the Navy and Marine Corps in 1924 were:

Personnel	Average strength	Deaths	Specific death rate per 100,000
Officers, Navy	8,058	2	24.82
Officers, Marine Corps	1,154	2	173.31
Enlisted men, Navy	87,442	22	25.16
Enlisted men, Marine Corps	19,113	10	52.32
Total	115,767	36	31.10

The death rate was therefore but little less than the death rate from all forms of pneumonia, 38 per 100,000, the leading cause of death among all diseases and nearly half as great as the death rate from drowning, all causes, exclusive of suicide, 64 per 100,000.

The following tables show rates per 100,000 for suicides by age groups, for officers of the Navy, officers of the Marine Corps, and enlisted men of the Navy. Rates for enlisted men of the Marine Corps are given for men of all ages but figures showing distributions by age groups are not available.

Age group	Officers of the Navy			Officers of the Marine Corps		
	Number in group	Deaths	Rate per 100,000	Number in group	Deaths	Rate per 100,000
20–24	1,122	0	0	93	0	0
25–29	1,674	1	59.74	251	0	0
30–34	1,683	0	0	256	1	390.63
35–39	1,608	0	0	174	0	0
40–44	997	1	100.30	181	0	0
45–49	543	0	0	124	1	806.45
50–54	270	0	0	53	0	0
55–59	120	0	0	19	0	0
60–64	41	0	0	3	0	0
Total	8,058	2	24.82	1,154	2	173.31

Age group	Enlisted men of the Navy			Enlisted men of the Marine Corps		
	Number in group	Deaths	Rate per 100,000	Number in group	Deaths	Rate per 100,000
16–19	11,125	1	8.99	----------	1	----------
20–24	44,320	4	6.77	----------	7	----------
25–29	17,500	3	17.14	----------	0	----------
30–34	8,528	6	70.36	----------	1	----------
35–39	4,023	6	149.14	----------	0	----------
40–44	1,287	1	77.70	----------	1	----------
45–49	448	1	223.21	----------	0	----------
50–54	148	0	0	----------	0	----------
55–59	38	0	0	----------	0	----------
60–64	16	0	0	----------	0	----------
65–69	3	0	0	----------	0	----------
70–74	1	0	0	----------	0	----------
Total	87,437	22	24.02	19,113	10	57.55

Besides the 36 deaths there were 22 attempts at suicide which did not prove fatal. Thirteen of these were among enlisted men of the Navy and eight among enlisted men of the Marine Corps. One member of the Navy Nurse Corps attempted to commit suicide by taking an overdose of morphine, but recovered. There were three suicides among officers of the Navy and Marine Corps, but so far as known there were no other attempts. For enlisted men of the Navy and Marine Corps, all ages, the combined figures are:

	Attempted suicide	Rate per 100,000	Suicide	Rate per 100,000	Fatal and nonfatal attempts	Rate per 100,000
Enlisted men, Navy	13	13.72	22	24.02	33	37.74
Enlisted men, Marine Corps	8	41.86	10	57.55	19	99.41

Rank or rating	Age	Length of service (years)	Means or method employed	Place and whether or not within command	Suicide premeditated or previously threatened	Probable motive or predisposing influences	Correlation with foreign service
Chief boatswain's mate.	44	20	Razor wounds of neck	Within command	Unknown	Psychosis, unclassified	
Chief radio man	26	9	Swallowed tincture of iodine.	do	do	Unknown	
Chief gunner's mate	34	10	Swallowed mercuric chloride.	While on liberty		Worry over family affairs, not marital.	
Sergeant, Marine Corps.	30	11	do	do	Unknown	Unknown	
Machinist's mate, second class.	24	4	do	do	do	do	
Engineman, second class.	29	7	Razor wounds of the wrist	Within command, U. S. S. Dale.			
Mess attendant, first class.	27	5	Pistol wound of chest	Within command, United States naval hospital, San Diego, Calif.		A leper, despondent over prospective transfer to leper colony.	
Fireman, second class	34	(1)	Razor wound of chest	On liberty and intoxicated		Alcoholic psychosis	
Corporal, Marine Corps.	25	4	Swallowed tincture of iodine.	While on liberty			
Seaman, second class.	19	2	do	Within command		General court-martial prisoner awaiting transfer to naval prison.	
Fireman, third class	22	(1)	Swallowed mercuric chloride.	While on liberty			
Private Marine Corps.	35	1	Swallowed tincture of iodine.	Within command			
Fireman, third class	26	2	Pistol wound of chest	While a deserter		Unknown; no indication of mental disease.	
Do	21	3	Knife wound of chest	Unauthorized absence; not intoxicated.			
Private Marine Corps.	23	(1)	Rifle wound of chest	Within command			
Do	27	1	Knife wound of chest	Within command; not work.			
Do	24	2	do	Absence over leave; not intoxicated.			
Do	23	1	Pistol wound of abdomen	Within command while on sentry duty.			
Do	18	(1)	Razor wounds multiple, neck and wrist.	Within command; used dull razor.			
Apprentice seaman	19	(1)	Hanging	Within command		Awaiting investigation	
Do	19	(1)	do	do		Awaiting trial by general court-martial.	

ATTEMPTED SUICIDE—Continued

Rank or rating	Age	Length of service (years)	Means or method employed	Place and whether or not within command	Suicide premeditated or previously threatened	Probable motive or predisposing influences	Correlation with foreign service
Nurse	22	(1)	Swallowed morphine	Within command	Dissatisfied with work; characteristic history of "spoiled child." Attempted suicide at age of 13 years.	Psychoneurosis, hysteria	None.

SUICIDE

Lieutenant commander, Medical Corps.	40	10	Swallowed mercuric chloride.	At his home in civil community.	None	Psychosis, melancholia	
Lieutenant	27	9	Pistol wound of heart	On board ship	do	None so far as known	
Chief carpenter	30	14⅓	Swallowed mercuric chloride.	On board U. S. S. Trenton	Had been despondent	Psychasthenia following recent explosion on board.	
Chief machinist's mate.	36	11¾	Razor wound of neck	On board U. S. S. West Virginia.		Depressed by fear that he had syphilis; had chancroid.	
Chief pharmacist's mate.	26	8	Swallowed tincture of opium.	On board U. S. S. Flusser	Unknown	Unknown	On duty in Greece, 17 months.
Gunner's mate, first class.	32	9	Pistol wound of brain	In hotel, Los Angeles, Calif.; attached to U. S. S. Nevada.	do	do	
Torpedo man, first class.	31	8¼	Swallowed strichnine	In rooming house, Vallejo, Calif.	do	Marital trouble	
Quartermaster, first class.	37	7	Pistol wound of chest	In Philadelphia; on leave from naval hospital, Portsmouth, N. H.		Had been under treatment for chronic gastritis.	
Signalman, first class.	31	11½	Pistol wound of brain	In hotel, Los Angeles; attached to U. S. S. Colorado.	Unknown	Unknown	
Ship's cook, first class.	35	16	do	In hotel, Seattle, Wash; attached to U. S. S. Seattle.	Premeditated, as shown by note.	Despondency; cause not stated.	
Coppersmith, first class.	40	11¼	Knife wound of throat	On board U. S. S. Brazos	Unknown	Unknown	On duty in Porto Rico for 15 months.
Water tender, first class.	37	16¾	Pistol wounds of chest and brain.	Ashore, San Francisco, Calif.; attached to U. S. S. California.		Fear of consequences, having overstayed liberty.	

[1] Less than one year.

Musician, first class	46	17⅓	Pistol wound of brain	In a deserted house in Annapolis, Md.; attached to Naval Academy.	Unknown	Unknown	
Shipfitter, first class	28	7½	do	In hotel, Jacksonville, Fla.; attached to U. S. S. Hannibal.	Premeditated, as shown by note.	do	
Blacksmith, second class.	38	2¼	Swallowed phenol	A straggler from the U. S. S. Barker in Shanghai, China.	No	Acquaintances thought he had melancholia.	On duty in Shanghai, China, 13 months.
Signalman, second class.	24	4	Swallowed mixture of formaldehyde and barium dioxide.	In naval hospital, League Island, Pa.		While isolated with mumps expressed anxiety over inability to procure money to send to wife.	
Electrician's mate, second class.	31	4⅔	Razor wound of throat	In naval hospital, Canacao, P. I.; in barber shop under custody.	Attempted suicide by swallowing iodine on board the U. S. S. Helena.	Under treatment for manic depressive psychosis.	Appears to have had foreign duty for 31 months.
Torpedoman, third class.	24	5⅓	Swallowed phenol	In restaurant, Tsingtao, China; attached to U. S. S. Truxtun.	Premeditated, as indicated by letter to sister.	Unknown	On duty in Mediterranean waters for 30 months.
Yeoman, third class	23	7/12	Hanging	On board U. S. S. Relief	Unknown, but had been unhappy, morose, and sullen.	About to be discharged from the service because of inadequate personality.	
Filipino coxswain	39	19 7/12	do	At naval station, Cavite, P. I.; attached to U. S. S. Sara Thompson.	Unknown	Unknown	
Seaman, first class	19	1 1/12	Drowning	From U. S. S. Antares at Newport, R. I.	Probably premeditated for some time.	Homesickness; inability to adapt himself to service conditions.	
Officers' cook, third class, Filipino.	29	6 1/12	Pistol wound of brain	In hotel, San Diego, Calif.	Unknown	Disappointed in a love affair.	
Fireman, third class	22	1 5/12	Hanging	On board U. S. S. Wyoming.	do	Unknown	
Hospital apprentice, first class.	31	1/6	do	In pharmacist's mates' school, Portsmouth, Va.	do	Had worried over marital difficulties.	
Captain, Marine Corps.	32	7 1/12	Drowning (crawled through port hole).	On board U. S. S. Gorgas		Psychosis manic depressive; was being transferred under guard by commercial steamer to United States from Haiti.	On duty in Haiti for 19 months.
Captain, Marine Corps.	47	18 7/12	P w o e --	In camp in Haiti	Unknown	Unknown	Foreign service 4 years and 3 months (not continuous); Philippine Islands, 2 years and 4 months; 1 year and 4 months in Haiti.

SUICIDE—Continued

Rank or rating	Age	Length of service (years)	Means or method employed	Place and whether or not within command	Suicide premeditated or previously threatened	Probable motive or predisposing influences	Correlation with foreign service
Gunnery Sergeant, Marine Corps.	44	20½	Pistol wound of brain	Legation guard barracks, Peking, China.	No	Alcoholism; was under arrest awaiting trial for drunkenness.	Foreign service, 5 years and 1 month (not continuous); Guam, 2 years and 2 months; Philippine Islands, 1 year and 10 months; Asiatic Station, 1 year and 1 month.
Corporal, Marine Corps.	22	1 5/12	do	In Haiti while away from command.	Unknown	Unknown	On duty in Haiti for 1 year.
Do	23	4⅓	do	do	do	Despondency over venereal infection.	On duty in Haiti for 1 year and 3 months.
Private, first class, Marine Corps.	24	2¾	Pistol wound of heart	While on sentry duty, Navy Yard, Philadelphia.	do	Had been drinking heavily for some time.	
Private, Marine Corps.	23	1⅓	Pistol wound of brain	Away from command in Peking, China.	do	Left his post as sentry and ran amuck in city, firing at random.	On duty on Asiatic Station for 1 year.
Do	32	8 5/12	Rifle wound of brain	Within command Santo Domingo.	do	Previous admission for delirium tremens.	On duty in Santo Domingo for 19 months.
Do	24	1	Rifle wound of chest	Within command, Haiti	None	In antemortem statement said he didn't know why he did it.	On duty in Haiti for 21 days.
Do	22	2	do	Within command, receiving ship at New York.	Unknown	Unknown	
Do	19	1	Hanging	In Monroe, Ohio, while on leave from Scouting Fleet, Marine Battalion.	do	do	
Trumpeter	21	2	Rifle wound of chest	In barracks, Quantico, Va.	do	do	

As might be expected, in most cases where pistols and rifles were used with suicidal intent death resulted. In 19 of 24 cases the wounds proved fatal. All shots through the brain were fatal but recovery followed in 4 of 12 cases where the shooting was through the chest. In only one of the five cases where a rifle was used did the patient recover but three of seven men who shot themselves through the chest with pistols recovered.

All three men who stabbed themselves in the chest recovered. Three of four who cut their throats with knives or razors died.

Poisoning was resorted to in 16 cases and there were 9 recoveries. Six men swallowed mercuric chloride and four recovered. No one of the four men who swallowed tincture of iodine recovered.

In general, review of the cases of suicide and attempted suicide together emphasizes the importance of watchfulness on the part of medical officers and officers in charge of men to recognize promptly any indication of mental disorder.

MORTALITY

Chart No. 5 shows death rates from disease by years since 1880 and death rates from injuries and poisoning (exclusive of drowning) and from drowning (all causes) by years since 1895.

Chart No. 6 shows death rates for the leading causes of death among diseases during the past five years.

Chart No. 7 shows the gross death rate of the Navy by years since 1850. The trend of mortality rates is indicated by the smoothed curve plotted from moving averages based on five years.

The following tables account for all deaths which occurred in the Navy and Marine Corps in 1924, arranged according to numbers and primary causes, the secondary causes also being shown in all cases where a secondary as well as a primary cause was recorded.

Summary of deaths in the Navy and Marine Corps during the year 1924

	Number of deaths	Percentage of total deaths	Annual rate per 1,000	Median rate 1919–1923
All diseases[1]	213	42.78	1.78	2.67
Casualties in action	0	0	0	0
Drowning (accidental)	77	15.46	.65	.81
Homicide	6	1.20	.05	.06
Suicide	36	7.23	.30	.22
Accidental injuries (exclusive of drowning)	163	32.73	1.37	.88
Poisoning (exclusive of suicide)	3	.60	.03	.12
Total	498	100.00	4.18	4.78

[1] In this summary and following mortality table both of the two deaths from tetanus are charged as resulting from disease, whereas in the tables which contain data for accidental injuries, presented on preceding pages, one of the cases is accounted for as an injury under the industrial hazard involved.

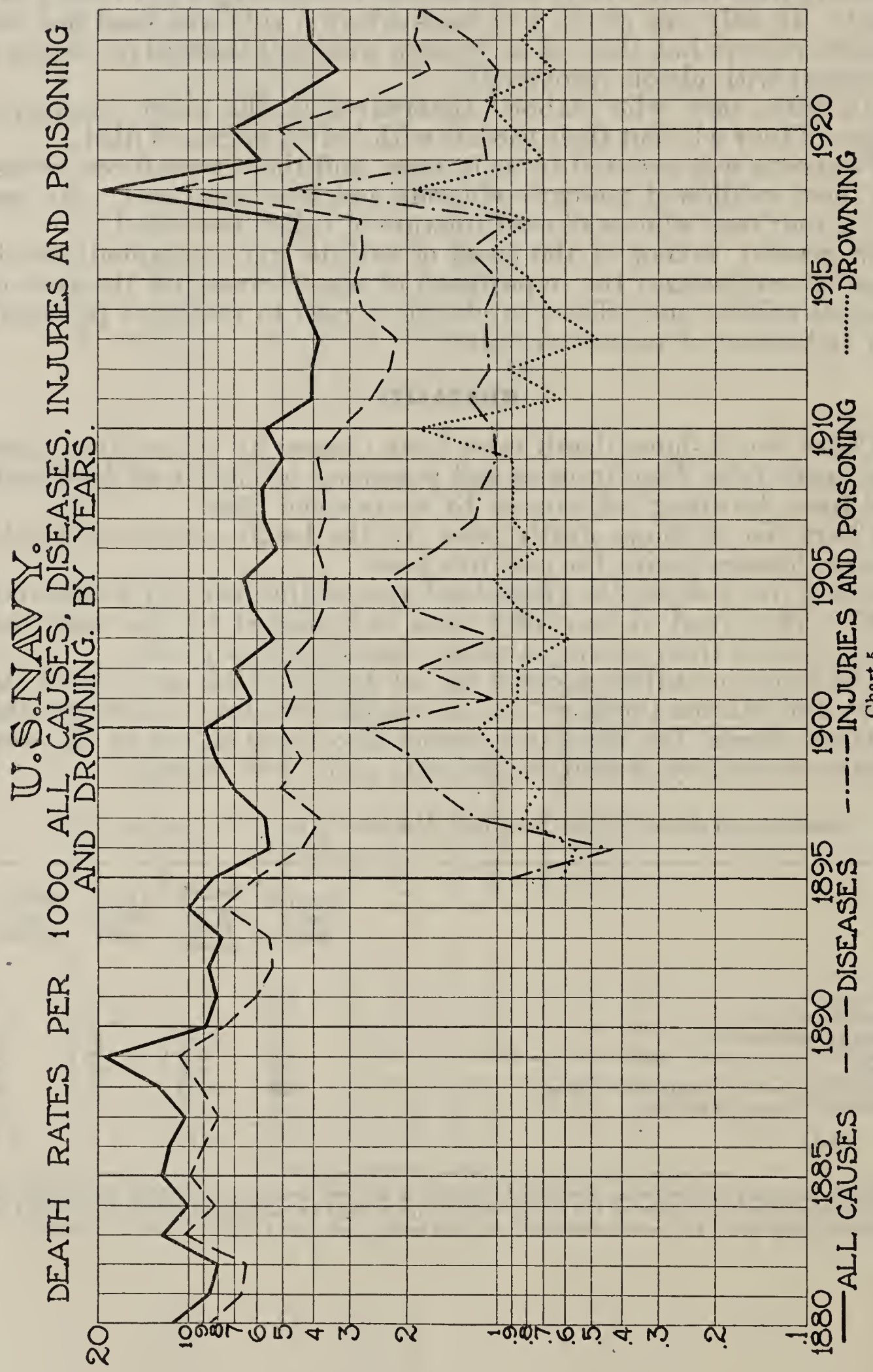
U.S.NAVY.
DEATH RATES PER 1000 ALL CAUSES, DISEASES, INJURIES AND POISONING AND DROWNING. BY YEARS.
20
10
9
8
7
6
5
4
3
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1880
1885
1890
1895
1900
1905
1910
1915
1920
ALL CAUSES
DISEASES
INJURIES AND POISONING
DROWNING

Chart 5

U.S.NAVY.

LEADING CAUSES OF DEATH FROM DISEASE, BY YEARS 1920–24

ANNUAL RATES PER 100,000

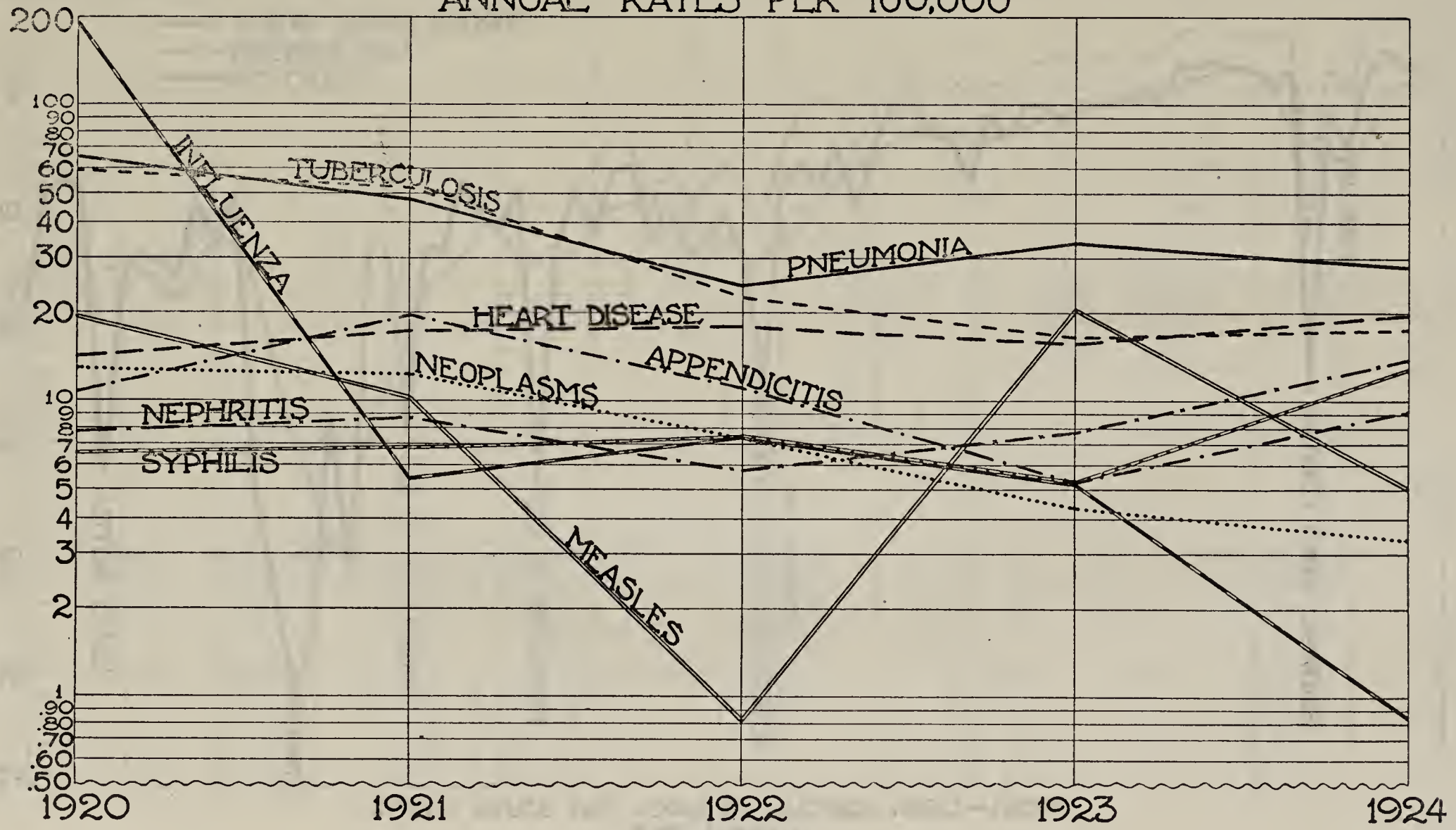

Chart 6

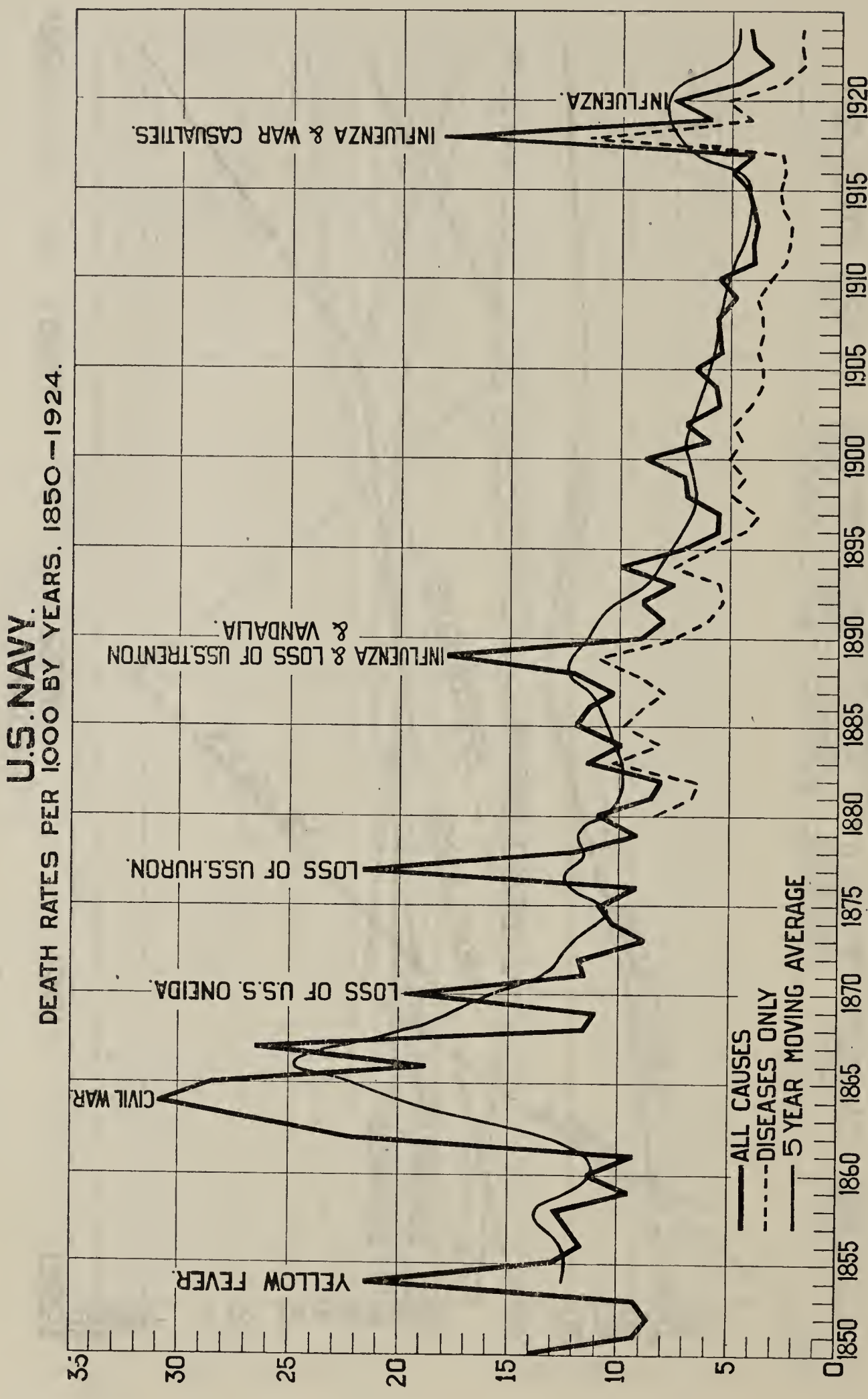
U.S.NAVY.
DEATH RATES PER 1000 BY YEARS. 1850—1924.
INFLUENZA & WAR CASUALTIES.
INFLUENZA.
INFLUENZA & LOSS OF USS.TRENTON & VANDALIA.
LOSS OF U.S.S.HURON.
LOSS OF U.S.S. ONEIDA.
CIVIL WAR.
YELLOW FEVER.
ALL CAUSES
DISEASES ONLY
5 YEAR MOVING AVERAGE
0
5
10
15
20
25
30
35
1850
1855
1860
1865
1870
1875
1880
1885
1890
1895
1900
1905
1910
1915
1920

Chart 7

Deaths resulting from disease

Order of frequency	Total number of deaths	Per cent of total deaths	Annual rate per 100,000	Primary cause	Number of deaths	Secondary cause	Number of deaths
(1)	33	6.64	27.67	Pneumonia:			
				Broncho	5	None	4
						Pleurisy, suppurative	1
				Lobar	28	None	25
						Pleurisy, suppurative	1
						Rupture, nontraumatic, aorta.	1
						Septicemia	1
(2)	25	4.63	19.28	Heart disease:			
				Angina pectoris	3	None	3
				Aneurysm, aorta	1	do	1
				Dilatation, cardiac, acute.	7	do	6
						Septicemia	1
				Endocarditis, acute	2	None	2
				Myocarditis—			
				Acute	1	do	1
				Chronic	6	do	3
						Dilatation, cardiac, acute	3
				Valvular—			
				Aortic and mitral	2	None	1
						Poisoning, carbon tetrachloride, acute.	1
				Mitral insufficiency.	1	None	1
				Pericarditis	2	do	2
(3)	20	4.03	16.77	Tuberculosis:			
				Chronic pulmonary	15	do	10
						Abscess of lung	1
						Hemorrhage, lung	1
						Meningitis, cerebral	1
						Tuberculosis, pulmonary, acute, pneumonic.	1
						Tuberculosis, renal	1
				Other forms	5	None	5
(4)	16	3.22	13.41	Nephritis:			
				Acute	6	do	5
						Ulcer duodenum	1
				Chronic	10	None	9
						Uremia	1
(5)	15	3.01	12.58	Syphilis	15	Bronchitis, acute	1
						Dementia, paralytica	6
						Encephalitis	1
						Meningitis, cerebral	2
						Poisoning, arsphenamine, acute.	1
						Poisoning, neoarsphenamine, acute.	2
						Psychosis, with other diseases and conditions, general paresis.	1
						Septicemia following arsphenamine poisoning.	1
(6)	11	2.21	9.22	Appendicitis:			
				Acute	10	None	2
						Embolism, lung	1
						Infarction, lung	1
						Peritonitis, acute, general	3
						Pneumonia, lobar	1
						Poisoning, anesthesia, ether	2
				Chronic	1	Dilatation, cardiac, acute	1
(7)	7	1.40	5.87	Neoplasms:			
				Carcinoma—			
				Intestines	1	Hemorrhage, stomach, postoperative.	1
				Face, neck, and head.	1	Septicemia	1
				Sarcoma	1	None	1
				Tumors—			
				Benign, mixed, brain.	1	do	1
				Malignant, mixed, intestines.	1	do	1
				Cyst, pancreas	1	Peritonitis, general, acute	1
				Fibroma, brain	1	None	1
(8)	6	1.20	5.03	Alcoholism:			
				Acute	5	None	4
						Myocarditis, chronic	1
				Chronic	1	None	1

Deaths resulting from disease—Continued

Order of frequency	Total number of deaths	Per cent of total deaths	Annual rate per 100,000	Primary cause	Number of deaths	Secondary cause	Number of deaths
(9)	6	1.20	5.03	Measles	6	Pleurisy, suppurative	1
						Pneumonia, broncho	5
(10)	6	1.20	5.03	Tonsillitis:			
				Acute	5	Pneumonia, lobar	2
						Septicemia	3
				Chronic	1	Hemorrhage, tonsillar artery	1
(11)	6	1.20	5.03	Ulcer:			
				Duodenum	5	Nonc	2
						Hemorrhage, intestinal	1
						Obstruction, intestinal	1
						Shock	1
				Stomach	1	Shock, surgical	1
(12)	5	1.00	4.19	Abscess:			
				Liver	1	None	1
				Lung	2	do	2
				Peritonsillar	2	Endocarditis acute	1
						Pneumonia, broncho	1
(13)	4	.80	3.35	Malaria	4	Nonc	4
(14)	4	.80	3.35	Hemorrhage, cerebral	4	do	4
(15)	2	.40	1.68	Diabetes, mellitus	2	do	1
						Pneumonia, broncho	1
(16)	2	.40	1.68	Gastroenteritis, acute	2	None	1
						Peritonitis, general, acute	1
(17)	2	.40	1.68	Pancreatitis, acute	2	None	1
						Dilatation, cardiac, acute	1
(18)	2	.40	1.68	Poliomyelitis, anterior, acute.	2	None	2
(19)	2	.40	1.68	Pyelonephritis	2	do	2
(20)	2	.40	1.68	Rheumatic fever	2	Cellulitis	1
						Endocarditis, acute	1
(21)	2	.40	1.68	Status lymphaticus	2	Nonc	2
(22)	2	.40	1.68	Cerebrospinal fever	2	do	2
(23)	2	.40	1.68	Tetanus	2	Wound, punctured, hand	1
						Wound, lacerated, forearm	1
(24)	1	.20	.84	Influenza	1	Pneumonia, lobar	1
(25)	1	.20	.84	Scarlet fever	1	Dilatation, cardiac, acute	1
(26)	1	.20	.84	Smallpox	1	None	1
(27)	1	.20	.84	Caisson disease	1	do	1
(28)	1	.20	.84	Meningitis, cerebrospinal	1	do	1
(29)	26	5.22	21.80	All other diseases	26		26
Total	213	42.77	178.57		213		213

DEATHS FROM VIOLENCE OR OTHER EXTERNAL CAUSE OTHER THAN POISONING

(1)	79	15.86	66.23	Drowning	79	None	78
						Psychosis, manic depressive	1
(2)	64	12.87	53.66	Burns	64	None	64
(3)	36	7.23	31.02	Wounds:			
				Incised	3	Psychosis, manic depressive	3
				Lacerated	2	None	2
				Multiple	4	do	3
						Hemorrhage, traumatic	1
				Penetrating	12	None	3
						Psychosis, manic depressive	9
				Perforated	5	do	5
				Punctured	11	None	6
						Psychosis, manic depressive	5
(4)	35	7.03	29.34	Injuries, multiple, extreme.	35	None	29
						Intracranial injury	1
						Shock and hemorrhage	2
						Asphyxiation, inspirated vomitus.	1
						Hemorrhage	1
						Meningitis, cerebrospinal	1
(5)	25	5.02	20.96	Fractures (See Table 3, p. 254 for details.)	25	None	22
						Meningitis cerebral	1
						Gangrene, infection	1
						Hemorrhage, traumatic	1
(6)	14	2.81	11.74	Asphyxiation	14	None	14
(7)	5	1.00	4.19	Rupture, traumatic	5	do	3
						Hemorrhage, traumatic	1
						Peritonitis, general, acute	1
(8)	5	1.00	4.19	Strangulation	5	None	5
(9)	3	.60	2.52	Intracranial injury	3	do	2
						Edema, lung	1

Deaths resulting from disease—Continued

DEATHS FROM VIOLENCE OR OTHER EXTERNAL CAUSE OTHER THAN POISONING—Continued

Order of frequency	Total number of deaths	Per cent of total deaths	Annual rate per 100,000	Primary cause	Number of deaths	Secondary cause	Number of deaths
(10)	2	0.40	1.68	Crush	2	None	2
(11)	2	.40	1.68	Intraspinal injury	2	do	1
						Pneumonia, broncho	1
(12)	1	.20	.84	Avulsion	1	None	1
(13)	1	.20	.84	Contusion	1	Compression, cerebral blood clot.	1
(14)	1	.20	.84	Electric shock	1	None	1
(15)	1	.20	.84	Heat exhaustion	1	do	1
(16)	1	.20	.84	Diagnosis undetermined	1	do	1
Total	275	55.22	230.55		275		275

HOSPITALIZATION

There were in all 866,863 days of treatment in naval hospitals. This figure means 2 per cent of the personnel constantly under treatment in hospital. It also indicates an average of seven hospital days for all persons in the Navy. Of all sick days 66 per cent were hospital days.

STATISTICAL TABLES

The basis for all Medical Department statistics lies in the forms used in connection with the preparation and keeping of the "Health Record," which deals with the physical requirements and health of the personnel of the Navy and Marine Corps.

Table No. 1.—Detailed statement of diseases and injuries for the calendar year 1924.

(*a*) This table gives an alphabetical list of disabilities, the Navy class and International Classification numbers, shows the method of taking up and disposing of all cases, the number of sick days or time lost to the service (from Form F cards), and a summary of comparative data for 10 previous years. The figures for readmissions do not represent only relapses or cases in which the need for more prolonged treatment becomes apparent after discharge to duty but also many cases, and perhaps a majority, in which readmissions are recorded merely for the purpose of transferring the patient while on the sick list to a naval hospital or from one ship or station to another. Used in connection with a transfer, readmission is merely the method of keeping continuous record of the patient.

(*b*) The class number (Roman numeral) refers to the classification of the Navy Nomenclature, as follows:

Class I. Diseases of blood.
II. Diseases of circulatory system.
III. Diseases of digestive system.
IV. Diseases of ductless glands and spleen (endocrines).
V. Diseases of ear, nose, and throat.
VI. Diseases of eye and adnexa.
VII. Diseases of genito-urinary system (nonvenereal).
VIII. Communicable diseases transmissible by oral and nasal discharges.
IX. Communicable diseases transmissible by intestinal discharges.
X. Communicable diseases transmissible by insects and other arthropods.

Class XI. Tuberculosis (all forms).
XII. Venereal diseases.
XIII. Other diseases of infective type.
XIV. Diseases of lymphatic system.
XV. Diseases of mind.
XVI. Diseases of motor system.
XVII. Diseases of nervous system.
XVIII. Diseases of respiratory system.
XIX. Diseases of skin, hair, and nails.
XX. Herniæ.
XXI. Miscellaneous diseases and conditions.
XXII. Parasites (fungi and certain animal parasites).
XXIII. Tumors.
XXIV Female diseases and conditions.
XXV. Injuries.
XXVI. Poisonings.
XXVII. Dental diseases and conditions.

(*c*) The international number (Arabic numeral) refers to the classification of causes of sickness and death (third decennial revision), prepared by the International Commission (Paris, October 11–14, 1920).

(*d*) In the case of injuries and poisonings, key letters immediately following the title (e. g., Abrasion, head "G") are given for classification of the cause of such injury, and are interpreted as follows:

A. Suicidal.

B. Homicidal.

C. Conflagration. Includes all traumatism of whatsoever nature resulting from general conflagration. Explosions as a result of general conflagration are classed hereunder. Burns otherwise received are classed elsewhere as noted.

D. Accidental drowning or submersion not otherwise classifiable.

E. Traumatism by firearms, accidental. Includes all injuries and burns caused by the projectile, the blast from great guns, explosion of a gun, or the piece itself, *when fired only* (wounds of war excepted).

F. Traumatism by cutting and piercing instruments. Includes all accidental traumatism by cutting and piercing instruments and glass. Key letters "H" and "I" are used when causative agent is a part of machinery or agents noted under key letter "I."

G. Traumatism by fall. To include all traumatism due to accidental falling not classifiable elsewhere.

H. Traumatism by machines. Includes all traumatism and burns resulting from the handling and operation of machinery, elevators, traveling cranes, engines, and boilers other than railway.

I. Traumatism by other crushing (vehicles, railways, landslides, etc.). Includes all traumatism and burns by airplane, automobile (passenger and truck), balloon, dirigible, earthquake, electric railroad, landslide, motor cycle, other unclassifiable crushing, railroad, street railroad, tractor, and vehicles (carriage, wagon, bicycle, etc.). Also *fall from* or *with* airplane, balloon, dirigible, or parachute.

J. Traumatism due to athletic sports.

K. War wounds. All casualties of whatsoever nature incurred *in action* against an organized enemy.

L. Burns (conflagration excepted). Includes all burns and scalds by boiling liquids and steam, corrosive acids and substances, fire, gasoline, kerosene, petroleum; also sunburn and the effects of radium and X rays. Burns or scalds as a result of explosion not classifiable elsewhere are included hereunder. Friction burns are not reported under key letter "L" but elsewhere as appropriate.

M. Traumatism due to violence *other than noted above.*

The above key letters are to be used, for example, as follows: Wound, penetrating, brain, pistol (A), showing that it was inflicted with suicidal intent; (B) that it was homicidal; while if received in action the entry appears as (K). Accidental drowning or submersion should appear with the key letter (D), while if due to the destruction of a ship by fire as (C); if incident to the explosion of a magazine as (M), unless the same is incident to action, when it should appear as (K); if result of an airplane crash as (I).

(*e*) Specialty letters are used in connection with aeronautic, submarine, and diver's duty and are interpreted as follows:

R. Aeronautic duty. For *diseases* and *injuries* incident to actual flying. Actual flying is interpreted to be from the time an airplane, dirigible, balloon,

etc., starts to move from the force of gravity or its propelling mechanism until the particular aircraft has again come to a standstill.

S. Submarine duty. For *diseases* and *injuries* incident to peculiar living conditions aboard the submarine and to actual maneuvering of or accident to the vessel.

U. Diver's duty. For *diseases* and *injuries* incident to actual diving. When used in connection with injury key letters, the key letter for injuries is first given, followed by the specialty letter.

Table No. 2.—Distribution of diseases and injuries among occupational groups for the calendar year 1924.

(*a*) This table shows by occupational groups the class of disability, average complement, number of admissions, deaths, suicides, invalided from the service (with rates per thousand), sick days, and noneffectives in ratios per 1,000; also the total for all occupations, giving admissions, deaths, invalided from service (with rates per 1,000 based on the entire service complement), and sick days.

(*b*) The average complement for each occupational group is obtained from the Bureau of Navigation except "Marines," which is obtained from the Major General Commandant, United States Marine Corps, and "Prisoners," which is obtained from the Judge Advocate General, United States Navy, and grouped as follows:

Officers: Line, medical, dental, supply, chaplain, professor of mathematics, naval constructor, civil engineer, chief and warrant, and Marine Corps.

Midshipmen: All classes of this personnel.

Electricians: All classes of this rating and radioman.

Engine room: Machinists's mate and engineman.

Fireroom: Fireman and water tender.

All other artificers: Blacksmith, boiler maker, carpenter's mate, coppersmith, motor machinist's mate, molder, painter, pattern maker, photographer, plumber and fitter, printer, sailmaker's mate, shipfitter, and shipwright.

Clerical: Storekeeper and yeoman.

Culinary: Baker, commissary steward, cook, messman, ship's cook, and steward.

Hospital corps: All ratings of this corps.

Marines (enlisted): All enlisted ratings except Marine Band, drummer, and trumpeter.

Musicians: Bandmaster, bugler, drummer, leader, musician, and trumpeter.

Prisoners: Detentioners and general court-martial prisoners.

Nurses (female): All personnel of the Navy Nurse Corps.

Aviation: Aerographer, aviation carpenter's mate, aviation machinist's mate, aviation metal smith, aviation pilot, and aviation rigger.

Apprentices: Apprentice seamen.

Ordnance: Fire-control man, gunner's mate, torpedo man, and turret captain.

All other deck ratings: Boatswain's mate, coxswain, landsman, master-at-arms, mate, quartermaster, seaman, and signalman.

(*c*) Number of admissions, deaths, suicides, invalided from service, and sick days obtained from Form F cards.

(*d*) Rate per thousand is based on the average complement at the heading of each group.

Death rate and invalided rate is obtained by multiplying the number of deaths or the number invalided by 1,000 and dividing by the average complement.

Percentage of sick can be obtained by multiplying the daily average of patients by 100 and dividing by the average complement.

Daily average of patients can be obtained by dividing the sick days by the number of year days.

Table No. 3.—Deaths in the Navy and Marine Corps for the calendar year 1924. This table is a summary of deaths, showing the cause, number, and distribution among the officers, enlisted men, and Nurse Corps (female).

Table No. 4.—Discharged from the service by reason of physical disability during the calendar year 1924. This table is a summary of those invalided from the service or retired on account of physical disabilities, showing the disability, number, and distribution among officers, enlisted men, and Nurse Corps (female).

Table No. 5.—Surgical operations during the calendar year 1924. This table is a summary of surgical operations performed on naval personnel, showing the condition for which operation was performed, kind of operation performed, result of the operation, and the anesthetic employed.

Table No. 6.—Dental operations for the calendar year 1924. This table shows a summary of dental operations and treatment performed on naval personnel, together with the number for each kind.

Table No. 7.—Recruiting statistics for the Navy and Marine Corps for the calendar year 1924. This is a table showing the total number of applicants, total enlisted, number examined by the medical officer, number rejected by the medical officer for physical disqualifications; in the Navy, for original and reenlistment; in the Marine Corps, for original and reenlistment, also accepted applicants reexamined, and the number examined, etc., for all classes of the Naval Reserve.

TABLE 1.—DETAILED STATEMENT OF DISEASES AND INJURIES FOR THE CALENDAR YEAR 1924

Diagnoses	Remaining from last year	Admitted	Readmitted	Duty	Diagnosis changed	Died	Invalided from the service	Deserted	Transferred	Continued to next year	Sick days this year
DISEASES											
Abscess, alveolar (XXVII-108)	3	114	43	106	11	------	------	1	38	4	1,530
Abscess, entamebic (XXII-124)	------	3	7	2	------	------	------	------	7	1	370
Abscess, periapical (XXVII-108)	------	41	13	37	2	------	------	------	13	2	539
Abscess, perinephritic (VII-131)	------	5	5	4	------	------	------	------	5	1	394
Abscess, periproctic (III-119)	5	74	45	65	14	------	------	------	41	4	1,927
Abscess, peritonsillar (V-109B)	2	191	96	175	20	2	------	------	84	8	2,579
Abscess, periurethral (VII-134B)	2	8	2	8	1	------	------	------	2	1	259
Abscess, retropharyngeal (V-109B)	------	1	1	1	------	------	------	------	1	------	13
Abscess, subphrenic (III-127)	------	2	1	------	1	------	1	------	1	------	169
Abscess, unclassified (III-XIII-XVIII-153)	43	828	242	838	32	3	2	------	205	33	14,191
Absence, acquired (XXI-159C)	17	95	132	90	14	------	31	------	92	17	8,038
Absence, congenital (XXI-159C)	------	2	1	------	------	------	1	------	1	1	173
Achylia gastrica (III-112)	1	3	2	2	------	------	------	------	2	1	157
Acne (XIX-154)	3	24	28	19	4	------	1	------	25	6	1,355
Acromegalia (IV-59)	------	1	2	2	------	------	------	------	------	1	129
Adenoids (V-109A)	------	13	15	15	------	------	------	------	13	------	396
Adenoma (XXIII-50)	------	6	3	4	1	------	1	------	3	------	222
Adhesions, abdominal (XXV-126)	2	34	34	29	------	------	5	------	29	7	1,922
Adhesions about gall bladder (XXV-124)	------	2	1	1	1	------	------	------	1	------	108
Adhesions about intestines (XXV-118B)	------	12	16	13	2	------	1	------	11	1	721
Adhesions about testicle (XXV-136)	------	3	6	4	------	------	------	------	5	------	200
Adhesions, cicatricial (XXV-154)	------	3	6	7	------	------	------	------	2	------	200
Adhesions, inguinal region (XXV-118A)	------	3	3	4	------	------	------	------	2	------	139
Adhesions, peritoneum (XXV-126)	10	29	35	23	3	------	12	------	33	3	2,229
Adhesions, pleura (XXV-102)	1	3	7	1	------	------	5	------	3	2	170
Albuminuria (VII-128)	2	20	23	17	2	------	3	------	21	2	657
Alcoholism, acute (XXI-66)	4	178	78	166	10	5	------	------	78	1	741
Alcoholism, chronic (XXI-66)	------	19	30	22	1	1	1	------	24	------	327
Alopecia areata (XIX-154)	------	2	3	1	------	------	------	------	3	1	183
Amblyopia (VI-85)	------	7	9	3	------	------	2	------	9	2	288
Amputation stump (XVI-157)	5	6	18	12	2	------	4	------	9	2	760
Anemia, brain (I-84)	------	4	1	4	------	------	------	------	1	------	37
Anemia, pernicious (I-58A)	1	4	8	2	1	1	------	------	8	1	378
Anemia, simple (I-58B)	------	12	11	8	5	------	------	------	8	2	626
Anemia, splenic (I-58B)	------	3	2	------	------	------	1	------	2	2	381
Aneurysm (II-91A)	------	4	8	3	1	2	1	------	5	------	236
Angina, Ludwig's (V-108)	------	2	3	1	2	1	------	------	1	------	45
Angina, pectoris (II-89)	1	6	------	4	------	3	------	------	------	------	57
Angina, Vincent's (VIII-109B)	25	709	347	664	95	1	------	3	298	20	10,134
Angioma (XXIII-50)	------	1	1	------	------	------	1	------	1	------	65
Angioneurotic edema (II-84)	------	13	6	11	------	------	1	------	5	2	209
Ankylosis (XVI-156)	6	13	23	11	------	------	11	1	16	3	1,105
Ankylosis, ossicles (V-86A)	------	1	1	1	------	------	------	------	1	------	28
Anomaly of form (XXI-205A)	1	1	2	1	------	------	2	------	1	------	97
Anthrax (XIII-27)	------	1	------	1	------	------	------	------	------	------	18
Antiinoculation (XXI-205A)	2	150	22	155	3	------	------	------	16	------	686
Aortitis (II-91C)	------	1	3	------	1	------	------	------	3	------	29
Aphasia (XVII-84)	------	1	1	------	1	------	------	------	1	------	35
Appendicitis, acute (III-117)	80	925	749	860	103	10	1	3	706	71	28,958
Appendicitis, chronic (III-117)	47	411	372	420	58	1	1	1	315	34	16,618
Arterial hypertension (II-91)	------	22	23	16	2	------	2	------	21	4	1,001
Arteriosclerosis, general (II-91B)	2	3	4	2	1	1	2	------	3	------	367
Arthritis, acute (XVI-156)	19	198	123	180	34	------	4	------	111	11	6,458

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Arthritis, chronic (XVI–156)	39	117	221	115	17	------	60	1	156	28	12,218
Arthritis, deformans (XVI–52)	------	2	2	------	1	------	------	------	2	1	210
Artificial anus (III–118B)	------	1	------	1	------	------	------	------	------	------	35
Ascariasis (XXII–116C)	1	37	14	34	4	------	------	------	13	1	586
Asthma (XVIII–105)	14	52	100	59	8	------	17	------	73	9	3,747
Astigmatism (VI–85)	5	74	70	71	4	------	15	------	56	3	1,799
Atresia, acquired, urinarius meatus (XXI–134B)	------	1	------	1	------	------	------	------	------	------	5
Atrophy, liver, yellow, acute (III–120)	------	1	1	------	------	1	------	------	1	------	25
Atrophy, muscle (XXI–73)	2	4	20	5	2	------	6	------	13	------	879
Atrophy, optic nerve (XXI–85)	4	2	2	2	1	------	3	------	2	------	584
Autointoxication, intestinal (III–119)	4	190	41	193	6	------	------	------	34	2	1,571
Balanoposthitis (VII–136)	1	32	13	25	8	------	------	------	12	1	607
Blepharitis (VI–85)	------	5	5	6	1	------	------	------	3	------	76
Blindness, bilateral (VI–85)	------	1	2	------	------	------	2	------	1	------	130
Blindness, unilateral (VI–85)	------	3	7	1	1	------	1	------	4	3	393
Blood donor (I–202)	------	1	------	1	------	------	------	------	------	------	5
Bradycardia (II–96)	------	2	------	2	------	------	------	------	------	------	8
Bromidrosis (XIX–154)	------	10	2	11	1	------	------	------	------	------	88
Bronchiectasis (XVIII–99B)	------	4	6	2	------	------	------	------	5	3	274
Bronchitis, acute (VIII–99A)	75	2,981	658	2,895	176	------	------	5	573	65	25,184
Bronchitis, chronic (XVIII–99B)	67	352	416	313	66	------	86	2	327	41	20,574
Bubo, inguinal (nonvenereal) (XIV–94)	28	488	265	502	18	------	1	------	223	37	18,005
Bursitis, acute (XVI–158)	2	52	17	54	------	------	------	------	14	3	829
Bursitis, chronic (XVI–158)	2	26	25	26	2	------	3	------	19	3	1,089
Caisson disease (XVII–84)	1	2	------	1	------	1	1	------	------	------	28
Calculus in bladder (XXI–132)	1	4	2	2	2	------	------	------	2	1	136
Calculus in kidney (XXI–132)	1	54	56	53	4	1	1	1	47	4	2,432
Calculus in ureter (XXI–132)	1	11	17	18	1	------	1	------	9	------	626
Calculus, submaxillary (XXI–132)	------	2	3	3	------	------	------	------	2	------	70
Calculus, tonsillar (XXI–132)	------	1	1	1	------	------	------	------	1	------	14
Callosity (XIX–154)	------	24	15	22	2	------	1	------	12	2	518
Carbuncle (XIII–152)	2	104	33	102	------	1	------	------	31	5	1,255
Carcinoma (XXIII–43–49)	2	2	6	1	------	2	1	------	5	1	407
Cardiac arrhythmia, auricular fibrillation (II–90)	------	5	6	3	------	------	------	------	6	2	321
Cardiac arrhythmia, extra systole (II–90)	1	5	6	3	------	------	3	------	5	1	305
Cardiac arrhythmia, sinus arrhythmia (II–90)	1	3	3	2	1	------	------	------	3	1	211
Cardiac disorder, functional (II–90)	1	31	30	22	2	------	10	1	24	3	1,521
Cardiospasm (III–90)	------	1	------	1	------	------	------	------	------	------	3
Carics, teeth (XXVII–108)	5	22	14	25	------	------	------	------	13	3	576
Carrier, diphtheria bacillus (XXI–10)	1	4	1	3	1	------	------	1	1	------	89
Carrier, meningococcus (XXI–24)	------	6	3	2	------	------	------	------	3	4	58
Carrier, streptococcus hemorrhagica (XXI–25C)	------	5	------	5	------	------	------	------	------	------	25
Cataract (VI–85)	4	4	9	4	------	------	6	------	6	1	644
Catarrhal fever, acute (VIII–205A)	------	1,971	343	1,896	34	------	------	------	331	53	11,143
Cellulitis (XIII–153)	40	1,551	419	1,542	51	1	3	1	375	37	20,822
Cerebrospinal fever (VIII–24)	1	15	15	10	------	2	------	------	15	4	938
Cerumen accumulation (V–86A)	------	7	------	7	------	------	------	------	------	------	36
Chalazion (VI–85)	------	19	14	20	------	------	------	------	13	------	163
Chancroid (XII–39)	61	3,796	682	4,010	96	------	1	------	403	29	23,552
Chancroidal lymphadenitis (XII–39)	22	126	701	616	29	------	------	------	182	22	13,454
Chicken pox (VIII–25A)	11	136	75	132	10	------	------	------	72	8	2,366
Cholangitis, acute (III–124)	20	454	176	427	29	------	------	1	165	28	9,250
Cholangitis, chronic (III–124)	------	8	8	6	3	------	------	------	6	1	366
Cholecystitis, acute (III–124)	6	48	29	45	5	------	------	------	27	6	1,915
Cholecystitis, chronic (III–124)	7	35	42	33	6	------	3	1	34	7	2,679
Chondritis (XVI–158)	------	1	1	1	------	------	------	------	1	------	21
Chondroma (XXIII–50)	------	3	8	3	1	------	1	------	6	------	177
Chorea (XVII–81)	2	5	8	4	1	------	4	------	6	------	337
Choroiditis (VI–85)	4	21	43	18	3	------	11	------	31	5	2,203
Cicatrix, skin (XIX–154)	4	37	56	37	10	------	5	1	39	5	2,280
Cirrhosis, liver atrophic (III–122B)	------	3	2	1	1	------	------	------	1	2	353
Cirrhosis, liver, hypertrophic (III–122B)	1	1	1	------	1	1	------	------	1	------	144
Clavus (XIX–154)	2	19	7	19	------	------	1	------	5	3	557
Colitis, acute (III–114)	1	61	10	60	3	------	------	------	9	------	459
Colitis, chronic (III–114)	1	11	14	9	2	------	3	------	9	3	577
Color blindness (VI–85)	------	3	------	3	------	------	------	------	------	------	16

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Conjunctivitis, catarrhal (VI-85)	7	193	86	192	17	------	3	------	70	4	2,880
Conjunctivitis, follicular (VI-85)	2	18	14	18	1	------	1	------	13	1	653
Conjunctivitis, phlyctenular (VI-85)	------	9	8	12	------	------	------	------	4	1	406
Conjunctivitis, purulent (VI-85)	------	24	24	25	4	------	------	1	17	1	466
Conjunctivitis, vernal (VI-85)	------	1	1	1	------	------	------	------	1	------	6
Conjunctivitis, unclassified (VI-85)	3	23	8	22	3	------	1	------	7	1	305
Constipation (III-119)	8	333	122	329	15	------	4	2	106	7	3,745
Constitutional psychopathic inferiority, without psychosis (XV-77)	19	89	151	41	4	------	64	------	143	7	5,003
Constitutional psychopathic states, criminalism (XV-77)	------	1	2	------	------	------	1	------	2	------	91
Constitutional psychopathic states, emotional instability (XV-77)	5	20	40	9	2	------	16	1	35	2	1,296
Constitutional psychopathic states, inadequate personality (XV-77)	7	17	34	6	3	------	15	------	31	3	1,079
Constitutional psychopathic states, paranoid personality (XV-77)	------	4	9	1	------	------	3	------	8	1	408
Constitutional psychopathic states, sexual psychopathy (XV-77)	2	4	15	1	------	------	4	------	15	1	690
Contracture (XVI-156)	7	16	26	10	5	------	11	1	18	4	1,655
Coxa vara (XVI-156)	1	1	1	------	------	------	1	------	1	1	139
Cramp, ciliary muscle (VI-85)	------	1	------	1	------	------	------	------	------	------	4
Cramp, muscle (XVI-158)	------	3	2	4	------	------	------	------	1	------	13
Curvature, spine (XVI-56)	1	5	4	3	------	------	3	------	3	1	122
Cutaneous horn (XIX-154)	------	2	------	2	------	------	------	------	------	------	7
Cyclitis (VI-85)	------	1	1	1	------	------	------	------	1	------	24
Cyst (XXIII-50)	2	58	40	57	5	1	------	------	33	4	1,401
Cyst, retention (XXIII-50)	3	42	20	42	1	------	------	------	19	3	449
Cystitis (nonvenereal), acute (VII-133)	2	54	30	51	2	------	------	------	26	7	1,416
Cystitis (nonvenereal), chronic (VII-133)	5	12	20	15	6	------	1	------	12	3	847
Cystoma (XXIII-50)	4	9	13	14	------	------	------	------	10	2	572
Dacryocystitis (VI-85)	1	10	6	9	1	------	1	------	5	1	606
Deafness, bilateral (V-85)	2	18	21	10	1	------	9	------	19	2	1,034
Deafness, unilateral (V-85)	------	15	17	10	------	------	5	1	15	1	643
Defective physical development (XXI-205)	------	4	2	1	------	------	3	------	2	------	84
Deformity, acquired, chest (XXI-56)	------	1	1	1	------	------	------	------	1	------	43
Deformity, acquired, limb (XXI-158)	1	24	27	17	2	------	15	------	16	2	865
Deformity, acquired, nose (XXI-97A)	3	7	5	8	1	------	------	------	5	1	353
Deformity, acquired, palate (XXI-109B)	------	1	1	1	------	------	------	------	1	------	46
Deformity, acquired, pelvis (XXI-158)	1	------	------	1	------	------	------	------	------	------	37
Deformity, acquired, spine (XXI-155)	------	2	4	2	------	------	------	------	3	1	183
Delirium, alcoholic (XXI-66)	------	5	5	5	------	------	------	------	5	------	41
Dementia paralytica (XV-76)	9	18	56	2	8	------	8	------	56	9	4,521
Dementia precox (XV-77)	47	124	425	4	4	------	133	2	419	34	16,336
Dengue (X-25C)	9	773	192	762	24	------	------	------	182	6	5,347
Dermatitis, herpetiformis (XIX-154)	1	10	5	9	1	------	------	------	5	1	196
Dermatitis, seborrheica (XIX-154)	------	9	3	9	------	------	------	------	3	------	158
Dermatitis, unclassified (XIX-154)	1	53	41	50	7	------	1	------	34	3	1,585
Dermatitis, venenata (XIX-154)	------	69	22	66	------	------	------	------	21	4	879
Detachment, retina (VI-85)	1	1	2	------	------	------	1	------	2	1	119
Deviation, nasal septum (V-97A)	27	648	518	615	62	------	1	1	482	32	14,616
Diabetes insipidus (XXI-69)	------	3	1	3	------	------	------	------	1	------	125
Diabetes mellitus (IV-57)	11	22	48	15	3	2	15	------	39	7	3,573
Diagnosis undetermined (XXI-205A)	------	8	6	------	------	------	------	8	6	------	198
Diarrhea, flagellate (XXII-116E)	1	2	1	3	------	------	------	------	1	------	13
Dilatation, aortic arch (II-91C)	------	------	1	------	------	------	------	------	1	------	24
Dilatation, cardiac, acute (II-90)	------	9	6	3	3	7	------	------	2	------	81
Dilatation, stomach, acute (III-112)	------	1	------	1	------	------	------	------	------	------	17
Diphtheria (VIII-10)	7	39	28	37	6	1	------	------	26	4	946

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Diverticulitis (III–119)		1	1	1					1		46
Diverticulum (XXI–119)		1	3	1					3		85
Drug addiction (XXI–68)	2	16	17	14			3		17	1	512
Duodenitis (III–114)		1		1							19
Dysentery, bacillary (IX–16B)	17	138	39	155	6	1			32		2,120
Dysentery, entamebic (IX–16A)	1	39	53	49	5				33	6	2,001
Dysentery, unclassified (XIII–16C)	3	17	5	19	3				3		242
Dysidrosis (XIX–154)		10	7	11	1				4	1	200
Ecthyma (XIX–154)	1	6	3	6					3	1	362
Eczema (XIX–154)	18	147	112	166	7		7		87	10	6,133
Edema, glottis (V–98)			1	1							13
Effort syndrome (XVII–84)	1	23	31	9			14		30	2	1,458
Effort syndrome, aviator (XVII–84)		2		2							8
Elephantiasis, nonfilarial (XIV–154)		1		1							16
Elongation, uvula (V–109B)		2		2							29
Embolism, cerebral (II–74B)		1	2				1		2		145
Embolism, lung (II–92)		1				1					0
Emphysema, pulmonary (XVIII–106)		1					1				46
Encephalitis (XVII–70)		1	1		1				1		0
Encephalitis, lethargic (XIII–23)	2	11	17	5	1		3		15	6	1,295
Endarteritis (II–91C)		1	1	1					1		39
Endocarditis, acute (II–88)	1	8	6	5	3	2			3	2	438
Endocarditis, chronic (II–88)	3	13	18	5	4		8		15	2	1,042
Endometritis (XXIV–141)		1		1							4
Enlarged inguinal ring (XX–118A)		1	1	1					1		60
Enlargement, prostate (VII–135)		3	5	2	1	1			3	1	197
Enteritis, acute (III–114)	7	591	114	592	11				103	5	3,253
Enteritis, chronic (III–114)		5	2	4					2	1	77
Enterocolitis, acute (III–114)		25	8	25					8		156
Enterocolitis, chronic (III–114)		1		1							5
Entropion (VI–85)		1	1	1					1		12
Enuresis (VII–133)	6	63	56	54	7		9	1	48	6	2,505
Epididymitis (nonvenereal) acute (VII–136)	6	84	35	82	6				32	5	1,426
Epididymitis (nonvenereal), chronic (VII–136)	2	12	8	15					6	1	329
Epilepsy (XVII–78)	1	91	158	33	7	1	67	3	125	14	4,868
Epilepsy, Jacksonian (XVII–84)	2	3	6	2			4	1	4		290
Epistaxis (II–96)		5	2	5					2		59
Epithelioma (XXIII–43–49)	2	4	4	7					3		239
Erysipelas (XIII–21)		27	16	18	9				15	1	614
Erythema, multiforme (XIX–154)	1	4	2	4					2	1	66
Erythema nodosum (XIX–154)		4	1	4					1		32
Erythema scarlatiniforme (XIX–154)		7	3	7					3		53
Erythema, unclassified (XIX–154)	1	8	3	9					3		66
Erythrasma (XIX–30)		1	1	1					1		6
Exuberant callus (XVI–155)	1	1		1			1				49
Fever, cause undetermined (XIII–205B)	1	22	5	21					5	2	254
Fibroma (XXIII–50)	2	10	5	11		1			5		338
Filariasis (X–25C)	1	6	8	14	1						156
Fissure, anus (III–119)	1	9	6	9	1				6		210
Fistula, fecal (III–119)	1	3	3	3	1				3		302
Fistula in ano (III–119)	6	62	82	62	11		2		64	11	3,163
Fistula, abdomen (XXI–205A)		1	1	1					1		22
Fistula, buttock (XXI–153)		3	3	3					3		105
Fistula, coccygeal (XXI–155)		3	5	3					5		156
Fistula, jaw (XXI–155)		1	1				1		1		51
Fistula, lip (XXI–108)		1		1							13
Fistula, rectum (XXI–119)		3	3	3					3		132
Fistula, salivary glands (XXI–108)	1			1							18
Fistula, thyroglossal (XXI–60B)		1	1				1		1		28
Fistula, umbilicus (XXI–205A)		1								1	21
Fistula, urethra (XXI–134B)	3	4	12	6	1		3		8	1	808
Flat foot (XVI–158)	20	215	281	141	12		117	1	223	22	9,541
Floating cartilage in joint (XVI–156)		3	5	1	3		1		3		163
Focal infection (XIII–69)	1	4	4	4	1				4		188
Folliculitis (XIX–154)		2	3	3					2		134
Funiculitis (VII–136)		3	1	4							49
Furunculosis (XIII–152)	13	415	99	429	7	1		1	75	14	4,838
Gallstones (III–123)		11	14	9	1				13	2	596

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Ganglion, tendon sheath (XVI-158)	------	8	7	7	1	------	------	------	6	1	250
Gangrene, infective (XIII-154)	------	------	1	------	1	------	------	------	------	------	1
Gastritis, acute (III-112)	4	338	102	332	9	------	------	------	94	9	3,037
Gastritis, chronic (III-112)	23	143	184	129	20	------	26	1	147	27	9,241
Gastroduodenitis (III-114)	2	19	22	20	1	------	1	------	17	4	544
Gastorenteritis, acute (III-114)	8	703	166	689	27	2	------	------	147	12	5,134
Gastroenteritis, chronic (III-114)	3	13	12	16	1	------	------	------	9	2	451
Gastroptosis (III-112)	2	3	11	5	2	------	4	------	5	------	387
Genu valgum (XVI-156)	------	1	3	1	------	------	1	------	2	------	77
Genu varum (XVI-156)	------	1	------	------	------	------	------	------	1	------	0
German measles (VIII-25B)	4	150	68	141	13	------	------	------	68	------	1,526
Gingivitis (XXVII-108)	3	29	15	28	2	------	------	------	15	2	831
Glioma (XXIII-50)	1	------	------	------	------	------	1	------	------	------	121
Glossitis (III-108)	------	2	1	2	------	------	------	------	1	------	9
Glycosuria (XXI-57)	------	2	1	3	------	------	------	------	------	------	26
Goiter (IV-60B)	1	16	17	8	------	------	6	------	16	4	837
Goiter, exophthalmic (IV-60A)	2	8	15	1	1	1	5	------	13	4	589
Gonococcus infection, conjunctiva (XII-40)	1	9	9	7	2	------	------	------	7	3	838
Gonococcus infection, joint (XII-40)	14	20	150	67	13	------	15	------	77	12	5,193
Gonococcus infection, lymph-node (XII-40)	6	12	136	104	12	------	------	------	31	7	2,374
Gonococcus infection, urethra (XII-40)	251	9,847	2,321	10,545	366	------	51	19	1,237	201	77,990
Gonococcus infection, unclassified (XII-40)	46	244	1,309	1,062	63	------	5	4	396	69	25,230
Gout, acute (XXI-52)	------	1	------	1	------	------	------	------	------	------	0
Gout, chronic (XXI-52)	------	1	------	1	------	------	------	------	------	------	149
Hallux valgus (XVI-158)	2	2	3	5	------	------	------	------	2	------	163
Hammertoe (XVI-158)	5	25	21	25	2	------	4	------	18	2	1,264
Hay fever (XVIII-107)	------	2	1	2	------	------	------	------	1	------	7
Headache (XXI-205A)	------	5	1	5	------	------	------	------	1	------	131
Heart block (II-96)	------	2	5	3	------	------	------	------	4	------	154
Hematocele (VII-136)	------	1	1	1	------	------	------	------	1	------	46
Hematomyelia (XVII-73)	------	1	------	1	------	------	------	------	------	------	257
Hematuria (VII-131)	------	7	6	6	1	------	------	------	6	------	144
Hemianopsia (VI-85)	------	2	3	1	------	------	------	------	3	1	163
Hemiplegia, old (XVII-75A)	1	1	4	------	------	------	2	------	3	1	159
Hemophilia (I-69)	1	1	5	------	------	------	2	------	5	------	214
Hemoptysis (XVIII-107C)	------	1	------	1	------	------	------	------	------	------	10
Hemorrhage, cerebral (XVII-74A)	2	7	8	2	1	4	2	------	7	1	641
Hemorrhage, alveolar (XXI-108)	------	5	2	5	------	------	------	------	2	------	30
Hemorrhage, eye (XXI-85)	------	2	1	2	------	------	------	------	1	------	14
Hemorrhage into retina (XXI-85)	1	------	------	------	------	------	1	------	------	------	8
Hemorrhage, miscellaneous (XXI-85)	------	6	8	8	1	------	------	------	5	------	105
Hemorrhage, tonsillar fossa (XXI-95)	------	2	3	3	------	------	------	------	2	------	52
Hemorrhoids (III-93)	26	471	351	458	55	------	------	1	316	18	10,591
Hernia, epigastric (XX-118A)	------	8	1	8	------	------	------	------	1	------	255
Hernia, femoral (XX-118A)	3	4	10	4	1	------	1	------	10	1	326
Hernia, inguinal (XX-118A)	77	451	497	472	46	------	30	3	437	37	23,865
Hernia, lumbar (XX-118B)	1	1	1	1	------	------	1	------	1	------	173
Hernia, muscle, fascia, tendon, or sheath (XVI-158)	------	5	9	3	------	------	1	------	7	3	294
Hernia, recurrent, after operation (XX-118A)	------	22	59	23	7	------	3	------	42	6	2,010
Hernia, umbilical (XX-118B)	------	6	9	6	------	------	------	------	9	------	511
Hernia, ventral (XX-118B)	5	17	17	18	2	------	4	------	14	1	1,349
Herpes (XIX-154)	2	24	8	24	------	------	------	------	7	3	269
Herpes zoster (XIX-154)	1	31	5	30	1	------	------	------	5	1	352
Hiccough (XVII-84)	------	30	12	30	------	------	------	------	11	1	239
Hodgkin's disease (XIV-65B)	------	1	2	------	------	------	------	------	2	1	49
Hookworm disease (XXII-115)	4	130	34	125	9	------	------	1	30	3	1,333
Hordeolum (VI-85)	------	31	4	31	------	------	------	------	4	------	172
Hydrocele (VII-136)	5	55	47	59	5	------	2	------	38	3	1,863
Hydronephrosis (VII-131)	3	4	4	4	2	------	2	------	2	1	561
Hyperchlorhydria (III-112)	1	------	------	1	------	------	------	------	------	------	15
Hyperesthesia, retina (VI-85)	------	1	1	1	------	------	------	------	1	------	55
Hyperhidrosis (XIX-154)	------	3	------	3	------	------	------	------	------	------	43
Hypermetropia (VI-85)	2	51	33	47	2	------	7	------	28	2	971
Hyperthyroidism (IV-60A)	3	15	17	8	2	------	4	------	15	6	1,269
Hypertrophy, bone (XVI-155)	3	19	20	19	2	------	3	------	17	1	778
Hypochlorhydria (III-112)	------	1	1	1	------	------	------	------	1	------	34
Hypochondriasis (XV-77)	------	3	6	1	2	------	1	------	5	------	122
Hypothyroidism (IV-60B)	------	2	2	2	------	------	------	------	2	------	42

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Ichthyosis (XIX-154)		2	1	2					1		153
Impacted tooth (XXVII-108)		36	24	34	2				22	2	648
Impetigo contagiosa (XIX-154)	2	96	38	94	5				34	3	1,421
Impetigo herpetiformis (XIX-154)	1	2		2			1				144
Impetigo unclassified (XIX-154)		6	1	6					1		81
Impotence (VII-205)		1		1							11
Incontinence, urine (VII-133)	1		3	2					1	1	103
Inflammation, dental pulp (XXVII-108)		1		1							3
Inflammation, salivary gland (III-108)	1	3	3	4					3		157
Influenza (VIII-11)	45	1,802	496	1,770	65	1			491	16	13,660
Ingrowing nail (XIX-154)	8	233	70	230	9			1	63	8	3,801
Insomnia (XXI-205A)		2	1	2					1		47
Insufficiency, ocular muscle (VI-85)	2	17	15	10			9		15		1,331
Intertrigo (XIX-154)		2		2							28
Iridocyclitis (VI-85)	1	4	8	3	1		1		6	2	330
Iritis (VI-85)	9	91	67	85	15			1	59	7	3,072
Keloid (XIX-154)		2	2	1			1		2		37
Keratitis (VI-85)	2	11	16	13	1			1	13	1	547
Kerato-iritis (VI-85)		1	1	1					1		14
Keratosis (XIX-154)		2	2	1					3		70
Laryngitis, acute (V-98)	5	132	33	121	12				32	5	1,264
Laryngitis, chronic (V-98)	5	6	12	5	2		6	1	8	1	784
Leprosy (XIII-20)	1	4	8		1		2		7	3	265
Leukemia (I-65A)	2					1	1				134
Leukoplakia (XIX-108)		2	2	1					2	1	4
Lichen planus (XIX-154)		5	4	4	1				3	1	65
Lipoma (XXIII-50)	1	15	8	16					8		315
Loose body in joint (XVI-156)	4	3	7	6	1				6	1	321
Loss of substance of bone or cartilage (XVI-155)	2	3	7	4	2		1		4	1	557
Lupus erythematosus (XIX-154)	2		2				1		2	1	287
Lymphadenitis (XIV-94)	21	175	113	183	18		2	1	91	14	5,418
Lymphangiectasis (XIV-94)		1	1	1						1	53
Lymphangitis (XIV-94)	2	54	6	56	1			1	4		427
Malaria (X-5)	39	981	458	1,162	48	4			222	42	13,808
Malformation, congenital (XXI-159C)	3	15	15	8	1		8		14	2	632
Malingering (XXI-205B)		2		2							27
Malocclusion, teeth (XXVII-108)		2	3	1	1				3		162
Mastitis, acute, male (XXI-142)		2	1	2					1		15
Mastitis, chronic, female (XXIV-142)		1		1							20
Mastitis, chronic, male (XXI-142)	1	1	1	1					1	1	111
Mastoiditis, acute (V-86B)	11	39	37	39	20		1		24	3	2,767
Mastoiditis, chronic (V-86B)	5	19	41	25	8		6		23	3	2,586
Masturbation (XVII-84)		1		1							0
Measles (VIII-7)	110	347	233	367	89	6		2	221	5	7,687
Meniere's disease (XVII-86A)		1		1							1
Meningitis, cerebrospinal (XVII-71)		1	2		1	1			1		0
Mental deficiency (XV-77)	5	13	15	5			11		15	2	834
Metatarsalgia (XVI-158)		2	2	1			1		2		129
Migraine (XVII-84)		21	4	21					4		218
Miliary fever (XIII-12)		1		1							18
Molluscum contagiosum (XIX-154)		1	1						1	1	54
Mumps (VIII-13)	43	1,297	853	1,287	47			2	847	10	27,117
Mycosis fungoides (XXII-30)		1		1							8
Myiasis (XXII-154)		1		1							8
Myocarditis, acute (II-88)	3	13	7	11	4	1			7		674
Myocarditis, chronic (II-90)	33	44	63	18	6	6	54		47	9	4,518
Myoma (XXIII-50)		1	1	1					1		29
Myopia (VI-85)	2	17	20	12	2		9		16		870
Myositis, acute (XVI-158)	1	184	39	179	7				35	3	1,497
Myositis, chronic XVI-158)	1	14	21	13	2		2		15	4	744
Myringitis, acute (V-86)		7	4	7					4		35
Myringitis, chronic (V-86)			1	1							126
Necrosis (XVI-151)		4	1	3					1	1	64
Nephralgia (VII-131)		1	1	2							11
Nephritis, acute (VII-128)	3	56	51	39	12	6	3		44	6	2,613
Nephritis, chronic (VII-129)	14	60	99	38	8	10	29	1	74	13	4,904
Nephroptosis (VII-131)	1	8	4	3			3		4	3	466
Neuralgia (XVII-82)	3	27	10	30			1		9		446
Neuritis (XVII-82)	13	83	85	88	11		8		66	8	4,727
Neuritis, multiple (XVII-82)	1	6	8	6	1		2		6		572

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Neuritis, optic (VI-85)	3	21	35	12	7		4		33	3	1,911
Neuroma (XXIII-50)		2	1	2					1		33
Neuroretinitis (VI-85)	1	4	6	2	1		1		6	1	326
Neurosis, intestinal (III-119)	2	11	15	11	2				14	1	438
Neurosis, occupational (XVII-84)	1		1	1					1		42
Neurosis, traumatic (XVII-84)	4	8	24	4			13		18	1	823
Neurosis, unclassified (XXI-84)			3		1				2		24
Nevus (XIX-159C)		4	2	2			1		3		110
No disease (XXI-205B)	48	679	502	694	32			3	477	23	10,954
Nostalgia (XV-77)		2	1	2					1		35
Obesity (XXI-69)	2	6	5	8					5		552
Obstruction, intestinal, from external causes (III-118B)		6	6	4	2				6		314
Obstruction, intestinal, from internal causes (III-118B)		4	3	3		1			3		268
Onychia (XIX-154)		11	3	11					2	1	73
Opacity, cornea (VI-85)		7	6	4			4		3	2	204
Opacity, vitreous humor (VI-85)	1	4	4	2			1		3	3	156
Ophthalmoplegia (VI-85)		1	1				1		1		45
Orchitis, nonvenereal, acute (VII-136)		120	27	123	2				20	2	1,573
Orchitis, nonvenereal, chronic (VII-136)		3	4	2			1		3	1	76
Ossification, sacro-lumbar (XXI-156)		1	4	2					3		80
Osteoarthropathy, hypertrophic (XVI-56)		1	1	1					1		6
Ostcoma (XXIII-50)	5	19	31	19	2		6		26	2	1,396
Osteomyelitis (XVI-155)	8	38	60	34	3		9	1	48	11	4,485
Otitis, externa (V-86)	3	238	86	224	13				77	13	2,597
Otitis, interna (V-86)	2	6	8	4			3		8	1	391
Otitis, media, acute (V-86)	30	428	220	402	69				192	15	8,379
Otitis, media, chronic (V-86)	64	279	408	280	33	1	106	1	304	26	17,502
Otosclerosis (V-86B)		2	2	2					2		17
Pachymeningitis, cerebral (XVII-71A)		1					1				65
Pachymeningitis, spinal (XVII-71A)		1			1						43
Pancreatitis, acute (III-125)		2				2					0
Panophthalmitis (VI-85)	1	1	1	1			1		1		71
Pansinusitis (V-97B)		1	2	1			2				72
Papillitis (VI-85)			1				1				29
Papilloma (XXIII-50)		15	13	12	1				12	3	565
Pappataci fever (X-25C)		16	1	17							79
Paralysis, nerve (XVII-75B)	7	45	53	40	6		5	1	44	9	2,774
Paralysis, ocular muscle (VI-85)	1	6	10	5					9	3	516
Paralysis, vocal cords (V-98)	1	2		2			1				214
Paranoid state (XV-77)		10	24	3			3		24	4	1,127
Paraphimosis (VII-136)	1	22	11	21	3				8	2	357
Paraplegia, ataxic (XVII-73)	1									1	366
Paratyphoid fever (IX-1B)		2	1	2					1		156
Pediculosis (XXII-154)		24	12	18	7				11		105
Pemphigus (XIX-154)		1	1	1			1				30
Perforated nasal septum (V-97A)	1	1		1	1						80
Pericarditis (II-87)	1	7	3	2	4	2	1		2		527
Periostitis, acute (XVI-155)	1	21	11	20	2				10	1	691
Periostitis, chronic (XVI-155)	1	18	20	10	1		3	1	17	7	1,258
Peritonitis, general, acute (III-126)		4	3	1	3	1			1	1	235
Peritonitis, general, chronic (III-126)		1		1							63
Peritonitis, local, acute (III-126)	1	4	3	3	1				3	1	286
Pes cavus (XVI-158)	1		3		1		1		2		104
Pharyngitis, acute (V-109B)	16	438	168	433	18				166	5	3,202
Pharyngitis, chronic (V-109B)		2	2	2					1	1	50
Phimosis (VII-136)	4	73	19	74	1				17	4	1,151
Phlebitis (II-93)	7	22	19	25	2		3		17	1	1,669
Pityriasis rosea (XIX-154)	2	25	18	24	4				16	1	654
Pityriasis versicolor (XXII-30)		3	1	2	1				1		89
Pleurisy, fibrinous, acute (XVIII-102)	6	104	46	96	16		1		37	6	2,446
Pleurisy, fibrinous, chronic (XVIII-102)	7	23	38	19	2		15		27	5	1,891
Pleurisy, serofibrinous (XVIII-102)	6	63	86	45	16		6		74	14	3,975
Pleurisy, suppurative (XVIII-102)	8	21	43	14	10	1	13		27	7	3,710
Pneumonia, broncho (VIII-100A)	13	109	80	85	43	5			62	7	4,489
Pneumonia, interstitial (XVIII-107A)		1								1	89

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Pneumonia, lobar (VIII-101A)	37	246	198	187	47	28	------	------	188	31	9,340
Pneumothorax (XVIII-102)	------	2	1	1	1	------	------	------	1	------	119
Poliomyelitis, anterior, acute (VIII-22)	1	3	4	1	------	2	1	------	3	1	381
Poliomyelitis, anterior, chronic (XVII-22)	------	1	7	------	------	------	1	------	6	1	457
Polypus (V-97A)	1	19	17	16	3	------	------	------	15	3	421
Presbyopia (VI-85)	------	2	------	2	------	------	------	------	------	------	8
Prickly heat (XIX-154)	------	13	2	13	------	------	------	------	2	------	156
Proctitis (III-119)	2	4	5	5	------	------	------	------	4	2	209
Prolapse, rectum (III-119)	1	1	1	1	1	------	1	------	------	------	93
Prostatitis (nonvenereal), acute (VII-135)	4	14	10	17	4	------	------	------	7	------	526
Prostatitis (nonvenereal), chronic (VII-135)	1	4	5	2	------	------	3	------	5	------	263
Pruritus (XIX-154)	1	7	8	8	1	------	------	------	6	1	234
Psoriasis (XIX-154)	3	22	24	19	1	------	5	------	20	4	1,411
Psychoneurosis, hysteria (XV-82)	13	89	105	59	4	------	35	1	92	16	4,311
Psychoneurosis, neurasthenia (XV-84)	26	142	243	110	14	------	47	1	211	28	11,816
Psychoneurosis, psychasthenia (XV-77)	16	25	49	20	2	------	17	------	46	5	2,655
Psychoneurosis, unclassified (XV-77)	2	8	9	6	2	------	3	------	6	2	541
Psychoneurosis, war neurosis (XV-190)	------	7	11	2	------	------	3	------	11	2	670
Psychosis, epileptic (XV-78)	------	4	10	1	------	------	3	------	9	1	334
Psychosis, exhaustive (XV-77)	------	4	6	4	------	------	------	------	5	1	223
Psychosis-intoxication, alcoholic (XV-77)	------	11	10	7	1	1	1	------	10	1	330
Psychosis-intoxication, drug (XV-68)	------	1	1	------	------	------	------	------	1	1	13
Psychosis, manic depressive (XV-77)	9	19	61	3	4	------	17	------	60	5	2,637
Psychosis, senile (XV-164)	------	1	2	------	------	------	------	------	2	1	176
Psychosis, traumatic (XV-77)	------	5	3	2	------	------	2	------	2	2	108
Psychosis with organic brain disease (XV-84)	1	1	3	------	------	------	2	------	3	------	239
Psychosis with other diseases or conditions (XV-84)	------	3	3	1	2	------	------	------	3	------	220
Psychosis, unclassified (XV-77)	14	23	57	16	2	------	14	3	54	5	2,895
Pterygium (VI-85)	7	58	63	72	3	------	------	------	51	2	1,726
Purpura, hemorrhagica (I-69)	------	3	5	3	1	------	------	------	4	------	290
Purpura, rheumatica (I-69)	------	1	2	1	1	------	------	------	1	------	122
Purpura, simplex (I-69)	------	2	2	2	1	------	------	------	1	------	32
Pyelitis, acute (VII-131)	2	40	26	32	5	1	1	------	23	6	1,608
Pyelitis, chronic (VII-131)	6	23	30	12	6	------	5	------	28	8	1,982
Pyelonephritis (VII-131)	2	9	11	9	3	2	------	------	8	------	761
Pylorospasm (III-112)	------	1	3	2	1	------	------	------	1	------	20
Pyorrhea alveolaris (XXVII-108)	9	50	51	45	8	------	1	------	46	10	3,294
Raynaud's disease (XVII-151)	1	------	------	------	------	------	------	------	------	1	366
Redundant prepuce (VII-136)	14	560	89	552	19	------	------	1	84	7	6,703
Redundant scrotum (VII-136)	------	2	------	2	------	------	------	------	------	------	41
Retinitis (VI-85)	1	23	24	22	2	------	8	------	16	------	1,099
Rheumatic fever (XIII-51)	39	297	252	275	64	2	19	------	204	24	15,581
Rheumatism, muscular (XVI-158)	16	197	118	213	11	------	17	2	76	12	6,427
Rhinitis, acute (V-97A)	3	129	12	129	4	------	------	------	10	1	606
Rhinitis, atrophic (V-97A)	3	11	12	5	------	------	8	------	11	2	817
Rhinitis, hypertrophic (V-97A)	4	75	43	68	9	------	------	------	41	4	1,431
Rupture, nontraumatic, spleen (XXI-64)	------	1	1	1	------	------	------	------	1	------	98
Salpingitis, eustachian, acute (V-68A)	1	5	4	6	1	------	------	------	3	------	145
Salpingitis, eustachian, chronic (V-68A)	------	5	5	3	1	------	------	------	5	1	343
Sarcoma (XXIII-43-49)	1	5	7	3	------	1	1	------	5	3	787
Scabies (XXII-154)	36	623	193	626	42	------	------	2	163	19	8,036
Scarlet fever (VIII-8)	24	148	110	134	30	1	------	------	104	13	5,490
Scleritis (VI-85)	------	4	2	4	1	------	------	------	1	------	35
Sclerosis, disseminated (XVII-73)	1	1	3	------	------	------	2	------	3	------	178
Sclerosis, lateral, amyotrophic (XVII-73)	1	1	4	------	1	------	1	------	4	------	76
Seasickness (XXI-205A)	1	17	11	15	1	------	3	------	10	------	336
Seborrhea (XIX-154)	------	1	------	1	------	------	------	------	------	------	0
Senility (XXI-164)	1	------	------	------	1	------	------	------	------	------	85
Septicemia (XIII-41)	1	14	18	6	15	1	------	------	7	4	654
Shock (XXI-205A)	------	1	1	1	------	------	------	------	1	------	1
Sinus (XXI-154)	------	8	6	7	------	------	------	------	5	2	519
Sinusitis, ethmoidal (V-155)	10	74	40	70	11	------	3	------	35	5	2,557

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Sinusitis, frontal (V-155)	21	184	126	194	14		12	2	100	9	5,662
Sinusitis, maxillary (V-155)	1	100	87	88	11		3	1	78	7	3,197
Sinusitis, sphenoidal (V-155)		1	1	1					1		75
Skin donor (XIX-205A)		8	4	8					4		162
Smallpox (VIII-6)	1	8	5	7	1	1			5		343
Somnambulism (XV-84)		9	17	6			4		16		379
Spasm, esophagus (III-110)		1	1	1					1		62
Spasm, saltatory (XVII-79)		1		1							5
Spermatocele (VII-136)		1	1	1					1		59
Spirochetosis, mouth (XXII-108)		5	4	3					3	3	150
Splanchnoptosis (III-119)		6	7	3	1		1		5	3	439
Splenitis (IV-64)		1	2	1	1				1		19
Spondylitis (XVI-52)		1	4	1					3	1	31
Sporotrichosis (XXII-30)		1	1	1					1		18
Sprue (III-119)		3	6	5			1		3		390
Spur, nasal septum (V-97)	1	9	6	8	2				6		158
Stammering (XVII-84)		3	4	3	1		1	1	1		162
Status lymphaticus (XIV-94)		4	1			2	2	1			70
Stenosis, nasal duct (VI-85)		1								1	13
Stomatitis, unclassified (III-108)		6	3	6			1		2		205
Strabismus (VI-85)		9	12	3			3		12	3	483
Stricture, rectum (III-119)		1		1							4
Stricture, ureter (VII-131)		5	3	3			1		3	1	267
Stricture, urethra (VII-134A)	1	21	27	20	4		1		22	2	960
Strongyliasis (XXII-116C)		1		1							42
Strongyloidosis (XXII-116C)		2	2	1	2				1		39
Stuttering (XVII-84)		1	1				1		1		78
Sudamina (XIX-154)		1		1							2
Suppression, urine (VII-133)		2	2	1	1				2		36
Sycosis (XIX-154)	1	4	1	4			1		1		194
Synechia (VI-85)		2	1	2					1		19
Synovitis, acute (XVI-156)		38	15	32	1		2		14	4	1,004
Synovitis, chronic (XVI-156)		15	26	14	1		6		17	3	1,252
Syphilis (XII-38)	219	2,355	1,893	2,913	197	15	49	2	1,124	167	66,353
Tabes dorsalis (XVII-72)	7	8	15	7			2		15	6	1,498
Tachycardia (II-96)	10	41	33	31	4		17		28	4	2,162
Talipes (XVI-158)		5	12		1		4		11	1	297
Teniasis (XXII-116B)	1	50	15	53	1				8	4	400
Tenosynovitis, acute (XVI-158)	1	17	2	16	1				1	2	369
Tenosynovitis, chronic (XVI-158)		6	6	5					6	1	492
Teratoma (XXIII-50)		21	27	22	1				20	5	1,127
Tetanus (XIII-29)		3			1	2					1
Tetany (XXI-61)		2	1	3							25
Thrombosis (II-92)		4	1	2	1	1	1				115
Thrombosis, cerebral (II-74B)	1		1				1		1		106
Thyroiditis, acute (IV-60B)	1						1				9
Thyroiditis, chronic (IV-60B)		2		1			1				47
Tic (XVII-84)		2		1	1						29
Tinea favosa (XXII-154)		3	3	2	1				3		29
Tonsillitis, acute (VIII-109B)	99	5,607	1,615	5,484	250	5		3	1,487	92	42,433
Tonsillitis, chronic (V-109B)	58	1,671	1,312	1,718	154	1	5	7	1,093	63	28,300
Toothache (XXVII-108)		1		1							2
Tracheitis (XVIII-99A)		3	1	3					1		7
Trachoma (VI-85)		9	14	1			7		13	2	570
Trench mouth (XIII-42)		2	1	2					1		19
Trichiasis (VI-85)		1		1							7
Trichomoniasis (XXII-116E)		1	1	1					1		22
Trichophytosis (XXII-154)	11	181	58	177	13				50	10	3,737
Trichuriasis (XXII-116C)		4	2	4					2		36
Tuberculosis, pulmonary, acute general miliary (XI-31)		2	1			2			1		4
Tuberculosis, pulmonary, acute pneumonic (XI-91)		7	10		1	2	2		10	2	331
Tuberculosis, pulmonary, chronic, active (XI-31)	83	268	408	18	16	15	250		367	93	31,591
Tuberculosis, pulmonary, chronic, arrested (XI-31)	3	12	22	7			11		14	4	1,209
Tuberculosis, unclassified (XI-36E)	11	38	73	18	8	1	20		63	12	5,542
Tumor, benign, mixed (XXIII-50)		5	6	4		1			5	1	334
Tumor, malignant, mixed (XXIII-49)		2	3	2		1			1	1	13
Typhoid fever (IX-1A)	3	5	8	6	1				8	1	451
Ulcer, bladder (VII-133)		1	2	2					1		38
Ulcer, cornea (VI-85)	2	59	40	59	2		3		35	2	1,477
Ulcer, duodenum (III-111B)	17	49	79	49	13	5	12		56	10	4,663
Ulcer, eye (XXI-85)	2	1	1	3					1		225
Ulcer, lip (XXI-108)		1	1	1					1		15
Ulcer, mouth (III-108)		4	3	3	1				3		98

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
DISEASES—Continued											
Ulcer, nasal passage (V-97A)	2	3	5	5					4	1	251
Ulcer, penis (XXI-136)		4	3	4					2	1	59
Ulcer, skin (XIX-154)	8	87	49	89	8		5	1	34	7	3,774
Ulcer, stomach (III-111A)	10	33	47	28	6	1	9		37	9	4,124
Ulcer, tongue (XXI-108)		1		1							59
Ulcer, tonsil (XXI-109B)		4	4	4	1				3		122
Ulcer, unqualified (XXI-154)		20	15	18	3				10	4	657
Ulcer, urethra (XXI-134B)		1	1	1					1		1
Union of fracture, faulty (XVI-155)	8	49	90	33	1		40		67	6	3,680
Ureteral colic (VII-132)		9	5	6					5	3	111
Ureteritis (VII-131)		2	1	2					1		82
Urethritis (nonvenereal), acute (VII-134)	2	25	16	28	1				13	1	450
Urethritis (nonvenereal), chronic (VII-134)		6	6	8					3	1	209
Urticaria (XIX-154)	1	57	20	58	3				16	1	652
Urticaria, pigmentosa (XIX-154)		12	3	12					3		41
Vaccinia (XIII-41)	4	191	8	190	7				4	2	1,068
Valvular heart disease, aortic insufficiency (II-90)	4	8	18	4	1		10		15		989
Valvular heart disease, combined lesions, aortic and mitral (II-90)		12	20	1	1	2	7		19	2	1,192
Valvular heart disease, mitral insufficiency (II-90)	17	58	61	12	1	1	63		54	5	3,944
Valvular heart disease, mitral stenosis (II-90)	1	10	11	4	1		4		11	2	601
Valvular heart disease, pulmonic lesions (II-90)		2	2		1		1		2		115
Valvular heart disease, tricuspid lesions (II-90)		1	2	1			1		1		50
Varicocele (II-93)	17	201	180	202	19		2		160	15	6,796
Varicose veins (II-93)	11	66	79	67	6		9		66	8	3,362
Verruca acuminata (XIX-154)		19	14	17	2				13	1	781
Vertigo (XXI-84)		4	2	4					2		31
Vitiligo (XIX-154)		1		1							15
Vomiting (III-112)		1		1							1
Wart (XIX-154)	3	16	9	15	2				9	2	462
Whooping cough (VIII-9)		4	1	3					1	1	119
Yaws (XIII-25C)		8	7	10	1				3	1	236
INJURIES											
Abrasion, abdomen, "G" (XXV-185)		1		1							3
Abrasion, ankle, "J" (XXV-202)		1		1							1
Abrasion, ankle, "M" (XXV-202)		3	1	3					1		30
Abrasion, axilla, "G" (XXV-185)		1		1							3
Abrasion, buttock, "I" (XXV-188)		1	1	1					1		4
Abrasion, cornea, "F" (XXV-184)		2	1	2					1		29
Abrasion, cornea, "J" (XXV-202)		2	1	2					1		15
Abrasion, elbow, "G" (XXV-185)		1		1							2
Abrasion, elbow, "I" (XXV-188)		2		2							7
Abrasion, eye, "I" (XXV-188)		1		1							12
Abrasion, eye, "M" (XXV-202)		1		1							7
Abrasion, face, "G" (XXV-185)		1		1							2
Abrasion, face, "H" (XXV-187)		1		1							2
Abrasion, face, "I" (XXV-188)		1	1	1					1		3
Abrasion, finger, "M" (XXV-202)		3	3	5					1		64
Abrasion, foot, "G" (XXV-185)		1		1							6
Abrasion, foot, "I" (XXV-188)		1		1							3
Abrasion, foot, "J" (XXV-202)		3	1	3					1		15
Abrasion, foot, "M" (XXV-202)		12	1	11					1	1	90
Abrasion, forearm, "G" (XXV-185)		1		1							5
Abrasion, hand, "G" (XXV-185)		1	1	1					1		1
Abrasion, hand, "J" (XXV-202)		1		1							28
Abrasion, hand, "M" (XXV-202)		1		1							7
Abrasion, head, "I" (XXV-188)		1	1	1					1		19
Abrasion, heel, "M" (XXV-202)		3		3							14
Abrasion, knee, "G" (XXV-185)		3		3							13
Abrasion, knee, "I" (XXV-188)		4		4							15
Abrasion, knee, "J" (XXV-202)		2		2							8
Abrasion, leg, "G" (XXV-185)	1	4	1	5					1		28

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Abrasion, leg, "H" (XXV-187)		1	2	2					1		48
Abrasion, leg, "I" (XXV-188)		5	1	4					1	1	42
Abrasion, leg, "M" (XXV-202)		3	2	4					1		32
Abrasion, multiple, "G" (XXV-185)		2	1	2					1		18
Abrasion, multiple, "I" (XXV-188)		7	5	8					4		100
Abrasion, multiple, "I-R" (XXV-188D)		2	1	2					1		42
Abrasion, penis, "M" (XXV-202)		1	1	1					1		13
Abrasion, thigh, "G" (XXV-185)		1		1							4
Abrasion, thigh, "J" (XXV-202)		3		3							17
Abrasion, toe, "I" (XXV-188)		1	1	1					1		26
Abrasion, toe, "M" (XXV-202)		5	1	5					1		53
Abrasion, wrist, "G" (XXV-185)		1		1							12
Asphyxiation, "A" (XXV-167)		2	2		2				2		12
Asphyxiation, "C" (XXV-178)		2	2	2					2		2
Asphyxiation, "E" (XXV-183)		13		1		12					11
Asphyxiation, "H" (XXV-187)		2	2	2	1				1		4
Asphyxiation, "M" (XXV-202)		6	1	4		2			1		6
Avulsion, brachial plexus, "I" (XXV-188)			2				1		1		130
Avulsion, face, "I-R" (XXV-188D)		1				1					0
Avulsion, finger, "E" (XXV-183)	1	2	2	3					2		155
Avulsion, finger, "F" (XXV-202)		1	5	2	1				3		82
Avulsion, finger, "H" (XXV-187)	3	15	5	15			1		5	2	453
Avulsion, finger, "I" (XXV-188)		6	1	6					1		158
Avulsion, finger, "M" (XXV-202)		1	1	1					1		54
Avulsion, finger nail, "H" (XXV-187)		1		1							5
Avulsion, finger nail, "I" (XXV-188)		1		1							10
Avulsion, finger nail, "M" (XXV-202)		1		1							3
Avulsion, foot, "I" (XXV-188)		1	1		1				1		102
Avulsion, hand, "H" (XXV-187)		1	2				1		2		220
Avulsion, hand, "M" (XXV-202)	1						1				56
Avulsion, ligaments and muscles, leg, "I" (XXV-188)		1	3	1			1		2		192
Avulsion, teeth, "I" (XXV-188)			1	1							154
Avulsion, teeth, "J" (XXV-202)		1	1	1					1		8
Avulsion, teeth, "M" (XXV-202)		1	1						1	1	60
Avulsion, toe nail, "I" (XXV-188)		1		1							0
Avulsion, toe nail, "J" (XXV-202)		1	1	1					1		10
Avulsion, toe nail, "M" (XXV-202)		2		2							8
Bite, finger, "M" (XXV-189)		2		2							2
Bite, foot, "M" (XXV-189)		1		1							1
Bite, forearm, "M" (XXV-189)		1									5
Bite, leg, "J" (XXV-189)		1		1							50
Bite, leg, "M" (XXV-189)		1	1	1					1		22
Burn, abdomen, "L" (XXV-179)	1	3	1	4					1		26
Burn, abdomen and side, "L" (XXV-179)		2		2							25
Burn, ankle, "H" (XXV-187)		2	1	1					1	1	17
Burn, ankle, "L" (XXV-179)	1	6	1	7					1		132
Burn, arm, "H" (XXV-187)		4		4							35
Burn, arm, "I" (XXV-188)		1	2	2					1		50
Burn, arm, "L" (XXV-179)		9		9							65
Burn, axilla, "L" (XXV-179)		1		1							8
Burn, back, "L" (XXV-179)		5		5							48
Burn, chest, "H" (XXV-187)		2	1	2					1		15
Burn, chest, "L" (XXV-179)		5		5							34
Burn, eye, "E" (XXV-183)		1		1							5
Burn, eye, "H" (XXV-187)		3	1	3					1		106
Burn, eye, "L" (XXV-179)		6	2	6					2		51
Burn, face, "E" (XXV-183)		4	2	2	1				2	1	51

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Burn, face, "H" (XXV-187)		7		7							40
Burn, face, "I" (XXV-188)		1		1							3
Burn, face, "L" (XXV-179)		10		10							45
Burn, finger, "H" (XXV-187)		1	1	1	1						28
Burn, finger, "I" (XXV-188)		1		1							22
Burn, finger, "L" (XXV-179)		2		2							47
Burn, foot, "H" (XXV-187)		5		5							19
Burn, foot, "L" (XXV-179)	4	30	7	33	1				7		746
Burn, forearm, "H" (XXV-187)		4		4							41
Burn, forearm, "L" (XXV-179)	1	11	1	12					1		142
Burn, hand, "C" (XXV-178)		2	2	2					2		25
Burn, hand, "E" (XXV-183)		1		1							8
Burn, hand, "H" (XXV-187)		7		7							35
Burn, hand, "I" (XXV-188)		1		1							19
Burn, hand, "L" (XXV-179)	2	25	8	30					5		483
Burn, head, "E" (XXV-183)		7	4	3	1	3			4		167
Burn, head, "L" (XXV-179)		1		1							18
Burn, leg, "I" (XXV-188)		1	1						1	1	149
Burn, leg, "L" (XXV-179)	2	21	6	20					6	3	715
Burn, multiple, "C" (XXV-178)		2	1	1		1			1		28
Burn, multiple, "E" (XXV-183)		40	10	7		33			9	1	635
Burn, multiple, "H" (XXV-187)		62	38	43	1	2			37	17	1, 287
Burn, multiple, "I" (XXV-188)		2		2							21
Burn, multiple, "L" (XXV-179)	4	79	46	54	8	18			45	4	2, 256
Burn, multiple, "H-S" (XXV-187)		1	1			1			1		1
Burn, multiple, "I-R" (XXV-188D)		7	2			6			2	1	38
Burn, neck, "L" (XXV-179)		1		1							3
Burn, palate, "L" (XXV-179)		1	1		1				1		10
Burn, pelvic region, "L" (XXV-179)		2		2							16
Burn, penis, "L" (XXV-179)		2		2							12
Burn, scrotum, "L" (XXV-179)	1			1							2
Burn, shoulder, "H" (XXV-187)		1		1							5
Burn, shoulder, "L" (XXV-179)		2		2							15
Burn, thigh, "L" (XXV-179)		6	2	7					1		90
Burn, toe, "H" (XXV-187)		1		1							22
Burn, trunk, "L" (XXV-179)		1	1	1					1		30
Burn, wrist, "L" (XXV-179)		1		1							6
Burn, chemical, arm, "L" (XXV-179)		1		1							23
Burn, chemical, buttock, "L" (XXV-179)		1		1							3
Burn, chemical, cheek, "L" (XXV-179)		1		1							3
Burn, chemical, eye, "H" (XXV-187)		2	1	2					1		58
Burn, chemical, eye, "L" (XXV-179)	4	16	8	20	1				7		259
Burn, chemical, face, "L" (XXV-179)		6	2	6					2		33
Burn, chemical, finger, "L" (XXV-179)		2		2							4
Burn, chemical, foot, "L" (XXV-179)		8		8							83
Burn, chemical, forearm, "L" (XXV-179)		1		1							9
Burn, chemical, genital organs, "L" (XXV-179)		1		1							7
Burn, chemical, hand, "H" (XXV-187)	1		2	1					2		148
Burn, chemical, hand, "L" (XXV-179)		17	1	17					1		83
Burn, chemical, hip, "L" (XXV-179)		1		1							3
Burn, chemical, leg, "L" (XXV-179)		2	1	3							58
Burn, chemical, multiple, "L" (XXV-179)		7	4	7					4		75
Burn, chemical, penis, "L" (XXV-179)		7	2	7					2		62
Burn, chemical, prepuce, "L" (XXV-179)		1		1							16
Burn, chemical, scrotum, "L" (XXV-179)		1		1							8
Burn, chemical, thigh, "L" (XXV-179)		5		4						1	37

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Burn, chemical, urethra, "L" (XXV-179)		1		1							31
Burn, electricity, finger, "H" (XXV-196)		3		3							45
Burn, electricity, hand, "H" (XXV-196)		1	1	1					1		40
Burn, electricity, hand, "L" (XXV-196)		10	1	10					1		86
Burn, electricity, head, "L" (XXV-196)		2	1	2					1		4
Burn, electricity, mouth, "L" (XXV-196)		1		1							4
Burn, electricity, multiple, "H" (XXV-196)		1		1							5
Burn, electricity, multiple, "L" (XXV-196)	1	2	2	3					2		192
Burn, electricity, wrist, "L" (XXV-196)		1	1	1					1		21
Burn, friction, ankle, "L" (XXV-179)		1		1							57
Burn, friction, ankle, "M" (XXV-202)		1		1							5
Burn, friction, hand, "M" (XXV-202)		2	1	1					1	1	79
Burn, friction, multiple, "M" (XXV-202)		1		1							21
Burn, friction, toe, "M" (XXV-202)		1		1							8
Burn, friction, wrist, "M" (XXV-202)		1	3	1			1		2		154
Burn, X ray, ankle, "L" (XXV-179)		1	2		1				1	1	287
Cold, effects of, "I-R" (XXV-188D)		1		1							2
Compression, brain, "B" (XXV-199)			1		1						0
Compression, brain, "G" (XXV-185)		1	3		1				3		29
Compression, brain, "I" (XXV-188)		1	1	1					1		34
Compression, multiple, "H" (XXV-187)		1		1							8
Contusion, abdomen, "G" (XXV-185)		3		3							15
Contusion, abdomen, "H" (XXV-187)		1		1							1
Contusion, abdomen, "I" (XXV-188)		4	1	4					1		52
Contusion, abdomen, "J" (XXV-202)		5	6	5	2				4		55
Contusion, abdomen, "M" (XXV-202)		3	1	3					1		8
Contusion, abdomen, "I-R" (XXV-188D)		1		1							1
Contusion, abdomen and side, "G" (XXV-185)		8	2	8					2		73
Contusion, abdomen and side, "H" (XXV-187)		1		1							2
Contusion, abdomen and side, "J" (XXV-202)		3		3							7
Contusion, abdomen and side, "M" (XXV-202)		2		2							11
Contusion, ankle, "F" (XXV-184)		1	2	1	1				1		6
Contusion, ankle, "G" (XXV-153)		3		2						1	47
Contusion, ankle, "H" (XXV-187)		3		3							22
Contusion, ankle, "I" (XXV-188)		14	5	13	1				4	1	246
Contusion, ankle, "J" (XXV-202)	1	5	2	6	1				1		42
Contusion, ankle, "M" (XXV-202)		10	3	11					2		42
Contusion, ankle, "I-S" (XXV-188D)		1	1	1					1		13
Contusion, arm, "G" (XXV-185)		3	1	2					1	1	37

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Contusion, arm, "H" (XXV-187)	1	1		1			1				47
Contusion, arm, "I" (XXV-188)		8	2	6					2	2	70
Contusion, arm, "M" (XXV-202)		4	1	3					1	1	46
Contusion, axilla, "G" (XXV-185)		1		1							3
Contusion, back, "G" (XXV-185)	2	31	14	32	1				13	1	506
Contusion, back, "H" (XXV-187)		3		3							8
Contusion, back, "I" (XXV-188)		9	3	8					3	1	119
Contusion, back, "J" (XXV-202)		2		2							13
Contusion, back, "M" (XXV-202)		10	4	10					4		73
Contusion, buttock, "G" (XXV-185)	1	5		6							35
Contusion, cervical region, "G" (XXV-185)		1		1							1
Contusion, cervical region, "J" (XXV-202)		1	1	1					1		50
Contusion, cheek, "M" (XXV-202)		1		1							3
Contusion, chest, "G" (XXV-185)		9	3	8				1	3		98
Contusion, chest "I" (XXV-188)	2	9	7	10					7	1	129
Contusion, chest, "J" (XXV-202)		10	6	12					4		106
Contusion, chest, "M" (XXV-202)		5	1	5					1		21
Contusion, chin, "G" (XXV-185)		1		1							6
Contusion, coccyx, "G" (XXV-185)		2	1					1	1	1	13
Contusion, costal cartilage, "I" (XXV-188)		1		1							13
Contusion, ear, "G" (XXV-185)		1		1							4
Contusion, elbow, "G" (XXV-185)		20	10	20					10		241
Contusion, elbow, "H" (XXV-187)		1		1							7
Contusion, elbow, "I" (XXV-188)		6	2	5	1				2		62
Contusion, elbow, "J" (XXV-202)		3		3							18
Contusion, elbow, "M" (XXV-202)		7	4	6	1				3	1	47
Contusion, eye, "G" (XXV-185)		5	3	6					2		46
Contusion, eye, "I" (XXV-188)		3	3	2					3	1	110
Contusion, eye, "J" (XXV-202)		13	5	14					4		90
Contusion, eye, "M" (XXV-202)		16	2	16					2		106
Contusion, face, "E" (XXV-183)		2	1	2					1		8
Contusion, face, "G" (XXV-185)		2	1	3							8
Contusion, face, "H" (XXV-187)		2		2							8
Contusion, face, "J" (XXV-202)		6	1	6					1		34
Contusion, face, "M" (XXV-202)	1	8	1	9					1		56
Contusion, face, "1-R" (XXV-188D)		2		2							12
Contusion, finger, "G" (XXV-185)		2		2							52
Contusion, finger, "H" (XXV-187)		10		10							70
Contusion, finger, "I" (XXV-188)	2	6		8							94
Contusion, finger, "J" (XXV-202)		2	2	1	1				1	1	115
Contusion, finger, "M" (XXV-202)	1	13	2	15					1		106
Contusion, foot, "G" (XXV-185)		12	5	13	2				2		238
Contusion, foot, "H" (XXV-187)		17	4	16	1				3	1	328
Contusion, foot, "I" (XXV-188)	4	41	13	49					8	1	612
Contusion, foot, "J" (XXV-202)		14	2	14					2		87
Contusion, foot, "M" (XXV-202)		74	11	73	2				9	1	803
Contusion, forearm, "G" (XXV-185)		3	2	3					2		39

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Contusion, forearm, "H" (XXV-187)		4	1	4					1		40
Contusion, forearm, "I" (XXV-188)		7		7							41
Contusion, forearm, "J" (XXV-202)		3		3							39
Contusion, forearm, "M" (XXV-202)		6		6							40
Contusion, forehead, "G" (XXV-185)		4	2	5					1		23
Contusion, forehead, "I" (XXV-188)		1		1							1
Contusion, forehead, "M" (XXV-202)		2	1	2					1		9
Contusion, groin, "G" (XXV-185)		2		2							14
Contusion, groin, "I" (XXV-188)		1		1							2
Contusion, groin, "M" (XXV-202)		2		2							7
Contusion, hand, "E" (XXV-183)		1	1	1					1		21
Contusion, hand, "G" (XXV-185)		4	1	4					1		65
Contusion, hand "H" (XXV-187)		16	1	16					1		127
Contusion, hand, "I" (XXV-188)		7	2	7					2		223
Contusion, hand, "J" (XXV-202)		6		6							39
Contusion, hand, "M" (XXV-202)	1	25	4	24	3				3		235
Contusion, hand, "I-R" (XXV-188D)		1		1							6
Contusion, head, "E" (XXV-183)		1		1							0
Contusion, head, "G" (XXV-185)		11	2	10	1				2		112
Contusion, head, "H" (XXV-187)		2		2							5
Contusion, head, "I" (XXV-188)		2	1	1					1	1	3
Contusion, head, "J" (XXV-202)		10	6	10					6		117
Contusion, head, "M" (XXV-202)		12	5	13					4		80
Contusion, heel, "G" (XXV-185)		2		2							20
Contusion, heel, "M" (XXV-202)		1		1							18
Contusion, hip, "G" (XXV-185)		18	5	17					5	1	142
Contusion, hip, "H" (XXV-187)		1		1							5
Contusion, hip, "I" (XXV-188)		4	2	4					2		49
Contusion, hip, "J" (XXV-202)		3	3	4					2		49
Contusion, hip, "M" (XXV-202)		4	1	4					1		29
Contusion, iliac region, "H" (XXV-187)		1	1	1					1		33
Contusion, jaw, "B" (XXV-199)		1				1					0
Contusion, jaw, "G" (XXV-185)		1		1							4
Contusion, jaw, "I" (XXV-188)		2	1	2					1		49
Contusion, jaw, "J" (XXV-202)		4	3	4					3		14
Contusion, knee, "G" (XXV-185)	3	72	23	74	4		1		17	2	1,110
Contusion, knee, "H" (XXV-187)		3		2						1	12
Contusion, knee, "I" (XXV-188)		28	10	24	4		1		9		498
Contusion, knee, "J" (XXV-202)		27	12	26			1		11	1	577
Contusion, knee, "M" (XXV-202)	1	19		20							128
Contusion, leg, "G" (XXV-185)	3	23	5	23	3				5		271
Contusion, leg, "H" XXV-187)		2	3	3					2		35
Contusion, leg, "I" (XXV-188)	2	24	13	27	1				10	1	418
Contusion, leg, "J" (XXV-202)		14	1	13	1				1		75
Contusion, leg, "M" (XXV-202)		15	3	15					2	1	249
Contusion, leg, "I-R" (XXV-188D)		1	2	1	1				1		13
Contusion, lip, "J" (XXV-202)		3	2	2	1				2		74
Contusion, lip, "M" (XXV-202)		2		2							11
Contusion, lower extremity, "I" (XXV-188)		1		1							3

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Contusion, lumbar region, "G" (XXV-185)	1	18	10	20	1				8		319
Contusion, lumbar region, "H" (XXV-187)		1		1							4
Contusion, lumbar region "I" (XXV-188)		2	1	3							7
Contusion, lumbar region "J" (XXV-202)		7	5	7					5		54
Contusion, lumbar region "M" (XXV-202)		6	3	7					2		50
Contusion, lumbar region "H-S" (XXV-187)		1		1							7
Contusion, mastoid region, "I" (XXV-188)		2		2							5
Contusion, multiple, "G" (XXV-185)	4	28	9	29	2		1		9		550
Contusion multiple, "H" (XXV-187)		2		2							14
Contusion, multiple, "I" (XXV-188)	1	57	22	51	2				23	4	749
Contusion, multiple, "J" (XXV-202)		7	2	7					2		42
Contusion, multiple, "M" (XXV-202)		21	12	18	3				12		181
Contusion, multiple, "G-S" (XXV-185)		1	1						1	1	13
Contusion, multiple, "I-R" (XXV-188D)		8	4	7					4	1	53
Contusion, neck, "G" (XXV-185)		3		3							15
Contusion, neck, "H" (XXV-187)		1		1							4
Contusion, neck, "I" (XXV-188)		1	1	1					1		4
Contusion, neck, "J" (XXV-188)		1	1	1					1		4
Contusion, neck, "J" (XXV-202)		1		1							2
Contusion, neck, "M" (XXV-202)	1		1	1	1						25
Contusion, nose, "G" (XXV-185)	1	3	2	5					1		51
Contusion, nose, "J" (XXV-202)		3	1	2	1				1		58
Contusion, nose, "M" (XXV-202)		5	3	5					3		105
Contusion, occipital region, "G" (XXV-185)		1		1							2
Contusion, occipital region, "J" XXV-202)		1	1	1					1		1
Contusion, parietal region, "M" (XXV-202)		1	1		1				1		80
Contusion, pectoral muscles, "I" (XXV-188)		1		1							21
Contusion, pelvic region, "G" (XXV-188)		1		1							4
Contusion pelvic region, "M" (XXV-202)		1		1							6
Contusion, penis, "H" (XXV-187)		1	1		1				1		27
Contusion, penis, "M" (XXV-202)		1		1							3
Contusion, perineum, "G" (XXV-185)		1		1							4
Contusion, rib, "G" (XXV-185)		2		2							16
Contusion, rib, "I" (XXV-188)		1		1							7
Contusion, rib, "J" (XXV-202)		2	1	2					1		11
Contusion, sacral region, "G" (XXV-185)		1	1		1				1		80
Contusion, scalp, "G" (XXV-185)	1	2		3							16
Contusion, scalp, "H" (XXV-187)		1		1							3
Contusion, scalp, "I" (XXV-188)		3		3							25
Contusion, scalp, "J" (XXV-202)		1	1	1					1		8
Contusion, scalp, "M" (XXV-202)	1	8	5	9					5		74

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Contusion, scrotum, "G" (XXV-185)		1	1	1					1		13
Contusion, scrotum, "J" (XXV-202)		1		1							2
Contusion, shoulder, "G" (XXV-185)		14	3	14	1				2		75
Contusion, shoulder, "H" (XXV-187)		2		2							5
Contusion, shoulder, "I" (XXV-188)		12	5	11	1				5		130
Contusion, shoulder, "J" (XXV-202)		22	11	23					10		211
Contusion, shoulder, "M" (XXV-202)		9	3	10					2		73
Contusion, skull, "G" (XXV-185)		1	1	1					1		4
Contusion, temporal region, "I" (XXV-188)		1								1	9
Contusion, temporal region, "J" (XXV-202)		1		1							8
Contusion, temporal region, "M" (XXV-202)		2	1	2					1		47
Contusion, testicle, "G" (XXV-185)		9	4	9					4		182
Contusion, testicle, "I" (XXV-188)		3		3							36
Contusion, testicle, "J" (XXV-202)		13	3	13	1				2		100
Contusion, testicle, "M" (XXV-202)		9	2	8					2	1	114
Contusion, thigh, "G" (XXV-185)		12	5	11					5	1	97
Contusion, thigh, "H" (XXV-187)	1	2		3							25
Contusion, thigh, "I" (XXV-188)		5	3	6					2		59
Contusion, thigh, "J" (XXV-202)		7	3	8					2		28
Contusion, thigh, "M" (XXV-202)		5	3	4					3	1	52
Contusion, thorax, "G" (XXV-185)		2		2							11
Contusion, thorax, "J" (XXV-202)		1		1							3
Contusion, toe, "G" (XXV-185)		4		4							31
Contusion, toe, "H" (XXV-187)		6	1	6					1		56
Contusion, toe, "I" (XXV-188)	1	22	1	21					1	2	183
Contusion, toe, "J" (XXV-202)		5		5							30
Contusion, toe, "M'(XXV-202)	1	51	2	53					1		420
Contusion, ulnar nerve, "J" (XXV-202)		1		1							7
Contusion, wrist, "G" (XXV-185)		6	1	6					1		40
Contusion, wrist, "H" (XXV-187)		6	3	4	1				3	1	213
Contusion, wrist, "I" (XXV-188)	1	3	2	3	1				2		104
Contusion, wrist, "J" (XXV-202)		1		1							3
Contusion, wrist, "M" (XXV-202)		3	1	3					1		60
Contusion, wrist "I-R", (XXV-188D)		1								1	67
Crush, arm, "I" (XXV-188)		1		1							8
Crush, back, "I" (XXV-188)		1	1		1				1		99
Crush, chest, "I" (XXV-188)		1				1					0
Crush, finger, "G" (XXV-188)		1	1	1					1		26
Crush, finger, "H" (XXV-187)	9	15	5	22	1				5	1	622
Crush, finger, "I" (XXV-188)	1	32	8	30	2				8	1	790
Crush, finger, "M" (XXV-188)	2	6		8							183
Crush, foot, "H" (XXV-187)		1	1	1					1		77
Crush, foot, "I" (XXV-188)		6		6							69
Crush, foot, "M" (XXV-202)		1		1							6
Crush, forearm, "I" (XXV-188)		1	2		1				2		58
Crush, groin, "I" (XXV-188)		1		1							5
Crush, hand, "H" (XXV-187)	1	4	5	2	1		1		4	2	405
Crush, hand, "I" (XXV-188)		2	1	2					1		94
Crush, leg, "I" (XXV-188)		2	1	1	1				1		102
Crush, multiple, "I" (XXV-188)		2	1	1		1			1		112
Crush, toe, "H" (XXV-187)	1	5	2	6					2		256
Crush, toe, "I" (XXV-188)	1	14	9	15				1	8		344
Crush, toe, "M" (XXV-188)		2		2							20
Crush, vertebra, lumbar, "G" (XXV-185)			1							1	23

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Crush, wrist, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	8
Deafness, due to heavy firing, "E" (XXV-183)	------	5	1	5	------	------	------	------	1	------	70
Diagnosis undetermined, injury "M" (XXV-205)	------	1	------	------	------	1	------	------	------	------	0
Dislocation, acromio-clavicular, "G" (XXV-185)	------	3	4	1	------	------	1	------	4	1	112
Dislocation, acromio-clavicular, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	22
Dislocation, acromio-clavicular, "J" (XXV-202)	------	6	4	6	------	------	------	------	4	------	167
Dislocation, ankle, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	8
Dislocation, ankle, "M" (XXV-202)	------	1	1	1	------	------	------	------	1	------	99
Dislocation, articular cartilage, knee, "G" (XXV-185)	1	8	11	5	------	------	------	------	9	6	498
Dislocation, articular cartilage, knee, "I" (XXV-188)	1	2	6	4	------	------	2	------	3	------	275
Dislocation, articular cartilage, knee, "J" (XXV-202)	------	13	10	13	------	------	------	------	10	------	440
Dislocation, articular cartilage, knee "M" (XXV-202)	1	3	6	3	2	------	------	------	4	1	438
Dislocation, clavicle, "G" (XXV-185)	------	------	1	------	------	------	------	------	------	1	58
Dislocation, costo-chondral, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	13
Dislocation, elbow, "G" (XXV-185)	3	7	5	10	------	------	------	------	4	1	214
Dislocation, elbow, "I" (XXV-188)	1	1	1	2	------	------	------	------	1	------	38
Dislocation, elbow "J" (XXV-202)	------	10	10	12	2	------	------	------	6	------	248
Dislocation, hip, "G" (XXV-185)	1	------	2	1	------	------	------	------	2	------	6
Dislocation, hip, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	16
Dislocation, hip "M" (XXV-202)	1	------	------	------	1	------	------	------	------	------	1
Dislocation, knee, "I" (XXV-188)	1	------	------	------	------	------	1	------	------	------	149
Dislocation, knee, "J" (XXV-202)	------	3	5	4	------	------	------	------	4	------	126
Dislocation, metacarpal, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	9
Dislocation, metacarpal, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	37
Dislocation, patella, "G" (XXV-185)	------	2	------	2	------	------	------	------	------	------	15
Dislocation, patella, "J" (XXV-202)	------	2	5	------	------	------	1	------	5	1	254
Dislocation, patella, "M" (XXV-202)	------	2	1	1	1	------	------	------	1	------	47
Dislocation, phalanges, foot, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	7
Dislocation, phalanges, foot, "J" (XXV-185)	------	1	------	1	------	------	------	------	------	------	4
Dislocation, phalanges, foot, "M" (XXV-202)	------	2	1	1	------	------	------	------	1	1	68
Dislocation, phalanges, hand, "G" (XXV-185)	------	5	2	5	------	------	------	------	2	------	56
Dislocation, phalanges, hand, "H" (XXV-187)	------	2	------	2	------	------	------	------	------	------	10
Dislocation, phalanges, hand, "J" (XXV-202)	1	9	2	10	------	------	------	------	2	------	167
Dislocation, phalanges, hand, "M" (XXV-202)	------	2	3	4	------	------	------	------	1	------	56
Dislocation, scaphoid-carpal, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	8
Dislocation, scaphoid-carpal, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	5
Dislocation, scapula-clavicular, "J" (XXV-202)	------	1	2	1	1	------	------	------	1	------	25
Dislocation, shoulder, "G" (XXV-185)	1	19	8	17	1	------	2	------	5	3	448
Dislocation, shoulder, "H" (XXV-187)	------	3	------	3	------	------	------	------	------	------	37
Dislocation, shoulder, "I" (XXV-188)	------	4	2	3	1	------	------	------	2	------	112
Dislocation, shoulder, "J" (XXV-202)	------	16	6	18	------	------	1	------	3	------	250
Dislocation, shoulder, "M" (XXV-202)	1	11	16	11	2	------	1	------	12	2	366

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Dislocation, sterno-clavicular, "G" (XXV-185)	1			1							15
Dislocation, sterno-clavicular, "J" (XXV-202)		1	6	2					5		173
Dislocation, vertebra, cervical, "J" (XXV-202)		1	1	1					1		7
Dislocation, vertebra, cervical, "M" (XXV-202)			1	1							1
Dislocation, vertebra, dorsal, "I" (XXV-188)			2				1		1		81
Dislocation, wrist, "G" (XXV-185)	1	1		2							13
Dislocation, wrist, "I" (XXV-188)		1	1	1					1		2
Dislocation, wrist, "M" (XXV-202)		2		2							3
Dislocation, chronic, shoulder, "M" (XXV-202)			2				2				66
Drowning, "A" (XXV-169)		2				2					0
Drowning, "D" (XXV-182)		47				47					0
Drowning, "H" (XXV-182)		4				4					0
Drowning, "I" (XXV-188C)		2				2					0
Drowning, "J" (XXV-169)		14				14					0
Drowning, "D-U" (XXV-169)		1				1					0
Drowning, "I-R" (XXV-188D)		9				9					0
Electric ophthalmia, "M" (XXV-196)		2		2							7
Electric shock, injury from "H" (XXV-196)		1				1					0
Electric shock, injury from, "M" (XXV-196)		1	1	1					1		2
Epiphyseal separation, clavicle, "J" (XXV-202)		1		1							27
Epiphyseal separation, radius, "M" (XXV-202)		1		1							25
Epiphyseal separation, radius and ulna, "G" (XXV-185)		1		1							83
Epiphyseal separation, radius and ulna, "I" (XXV-188)		1	1	1					1		90
Exhaustion from overexertion, "H" (XXV-187)		4	1	4					1		10
Exhaustion from overexertion, "J" (XXV-202)		4	2	4					2		16
Exhaustion from overexertion, "M" (XXV-202)		2	1	2					1		11
Foreign body, traumatic, abdomen, "F" (XXV-184)		1	1	1					1		60
Foreign body, traumatic, back, "M" (XXV-202)		1			1						7
Foreign body, traumatic, bronchus, "M" (XXV-202)		1	1						1	1	11
Foreign body, traumatic, buttock, "E" (XXV-183)		1	1	1					1		7
Foreign body, traumatic, cheek, "F" (XXV-184)		1		1							4
Foreign body, traumatic, esophagus, "F" (XXV-184)		1	1	1					1		8
Foreign body, traumatic, eye, "E" (XXV-183)		3	3	3					3		108
Foreign body, traumatic, eye, "F" (XXV-184)		23	10	21	1				9	2	168
Foreign body, traumatic, eye, "H" (XXV-187)		27	7	25			1		7	1	347
Foreign body, traumatic, eye, "I" (XXV-188)		1		1							4
Foreign body, traumatic, eye, "M" (XXV-202)		14	6	13	1				6		108
Foreign body, traumatic, eyelid, "F" (XXV-184)		1	1	1					1		6
Foreign body, traumatic, finger, "F" (XXV-184)		4	1	4					1		33
Foreign body, traumatic, finger, "M" (XXV-202)		2		2							11
Foreign body, traumatic, foot, "E" (XXV-183)		1	1		1				1		12
Foreign body, traumatic, foot, "F" (XXV-184)	1	2	1	3					1		28
Foreign body, traumatic, foot, "J" (XXV-202)		10		10							89

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Foreign body, traumatic, forearm, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	11
Foreign body, traumatic, hand, "F" (XXV-184)	------	2	1	2	------	------	------	------	1	------	14
Foreign body, traumatic, hand, "M" (XXV-202)	------	2	2	1	------	------	------	------	2	1	22
Foreign body, traumatic, knee, "E" (XXV-183)	1	------	1	------	------	------	1	------	1	------	51
Foreign body, traumatic, knee, "J" (XXV-202)	------	1	1	------	------	------	------	------	1	1	48
Foreign body, traumatic, knee, "K" (XXV-190)	------	1	1	1	------	------	------	------	1	------	30
Foreign body, traumatic, knee, "M" (XXV-202)	------	1	1	------	------	------	------	------	1	1	81
Foreign body, traumatic, leg, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	16
Foreign body, traumatic, leg, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	2
Foreign body, traumatic, shoulder "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	15
Foreign body, traumatic, thigh, "E" (XXV-183)	1	2	1	3	------	------	------	------	1	------	70
Foreign body, traumatic, thigh, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	50
Foreign body, traumatic, wrist, "F" (XXV-184)	------	1	3	2	------	------	------	------	2	------	31
Fracture, compound, about ankle, "I" (XXV-188)	1	1	1	------	------	------	1	------	1	1	248
Fracture, compound, clavicle, "J" (XXV-201)	------	1	1	1	------	------	------	------	1	------	63
Fracture, compound, cuboid, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	72
Fracture, compound, femur, "I" (XXV-188)	1	2	2	1	------	------	1	------	2	1	342
Fracture, compound, fibula, "J" (XXV-201)	------	1	------	1	------	------	------	------	------	------	33
Fracture, compound, frontal bone "I" (XXV-188)	1	1	2	------	1	1	------	------	2	------	338
Fracture, compound, frontal bone, "M" (XXV-201)	------	3	1	2	------	------	------	------	1	1	113
Fracture, compound, humerus, "G" (XXV-185)	------	1	2	------	------	------	------	------	2	1	251
Fracture, compound, humerus, "H" (XXV-187)	------	1	2	------	------	------	------	------	2	1	76
Fracture, compound, humerus, "I" (XXV-188)	------	1	1	1	------	------	------	------	1	------	46
Fracture, compound, humerus, "M" (XXV-201)	1	------	------	1	------	------	------	------	------	------	9
Fracture, compound, malar bone, "M" (XXV-201)	------	1	------	1	------	------	------	------	------	------	14
Fracture, compound, maxilla, "G" (XXV-185)	------	3	4	3	------	------	------	------	4	------	231
Fracture, compound, maxilla, "H" (XXV-187)	------	1	4	------	1	------	------	------	3	1	294
Fracture, compound, maxilla, "I" (XXV-188)	1	1	------	2	------	------	------	------	------	------	120
Fracture, compound, maxilla, "J" (XXV-201)	1	6	4	7	------	------	------	------	4	------	375
Fracture, compound, maxilla, "M" (XXV-201)	2	27	31	25	6 ------	------	------	------	25	4	1,539
Fracture, compound, metacarpal, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	66
Fracture, compound, metacarpal, "I" (XXV-188)	------	2	1	2	------	------	------	------	1	------	57
Fracture, compound, metacarpal, "M" (XXV-201)	1	1	------	2	------	------	------	------	------	------	56
Fracture, compound, metacarpal, "H-S" (XXV-187)	------	1	1	1	------	------	------	------	1	------	65
Fracture, compound, multiple, "H" (XXV-187)	------	1	1	------	------	------	------	------	1	1	87
Fracture, compound, nasal bone, "G" (XXV-185)	------	3	1	3	------	------	------	------	1	------	30
Fracture, compound, nasal bone, "I" (XXV-188)	1	6	3	6	1	------	------	------	3	------	90
Fracture, compound, nasal bone, "J" (XXV-201)	------	12	4	13	------	------	------	------	3	------	74
Fracture, compound, nasal bone, "M" (XXV-201)	------	11	4	11	------	------	------	------	4	------	93
Fracture, compound, palate, "J" (XXV-201)	------	1	------	1	------	------	------	------	------	------	10

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Fracture, compound, parietal, "I" (XXV-188)	3		4	1			2		4		139
Fracture, compound, patella, "G" (XXV-185)		1	2		1				2		140
Fracture, compound, patella, "I" (XXV-188)	1						1				66
Fracture, compound, phalanges, foot, "H" (XXV-187)		3	4	2					3	2	249
Fracture, compound, phalanges, foot, "I" (XXV-188)		3	3	2	1				3		243
Fracture, compound, phalanges, foot, "M" (XXV-201)		3	1	3					1		132
Fracture, compound, phalanges, hand, "E" (XXV-183)		1	1	1					1		21
Fracture, compound, phalanges, hand, "F" (XXV-184)		2		2							42
Fracture, compound, phalanges, hand "H" (XXV-187)	1	14	7	13	1				7	1	695
Fracture, compound, phalanges, hand, "I" (XXV-188)	2	14	9	14	1				8	2	655
Fracture, compound, phalanges, hand, "J" (XXV-201)	1	3		4							153
Fracture, compound, phalanges, hand, "M" (XXV-201)		7	5	6	1		1		4		334
Fracture, compound, radius, "J" (XXV-201)		1	1	1					1		7
Fracture, compound, radius and ulna, "H" (XXV-187)		1	1	1					1		76
Fracture, compound, radius and ulna, "J" (XXV-201)	1						1				78
Fracture, compound, radius and ulna, "I-R" (XXV-188D)		1	3	1					2	1	174
Fracture, compound, skull, "G" (XXV-185)		3	1			3			1		2
Fracture, compound, skull, "I" (XXV-188)	1	6	1	2		5			1		116
Fracture, compound, skull, "M" (XXV-201)		2		1		1					22
Fracture, compound, skull, "I-R" (XXV-188D)		2	1			2			1		0
Fracture, compound, temporal, "I" (XXV-188)		1				1					0
Fracture, compound, tibia, "G" (XXV-185)		1	1						1	1	59
Fracture, compound, tibia, "J" (XXV-201)	2			2							75
Fracture, compound, tibia, "I-R" (XXV-188D)		1	2	1					2		120
Fracture, compound, tibia and fibula, "G" (XXV-185)	1	1	2	2					2		255
Fracture, compound, tibia and fibula, "I" (XXV-188)	8	6	19	6	4		3		16	4	1,724
Fracture, compound, tibia and fibula, "J" (XXV-201)		1	1		1				1		150
Fracture, compound, tibia and fibula, "M" (XXV-201)		2	1						2	1	134
Fracture, compound, tibia and fiibula, "H-S" (XXV-187)	1						1				85
Fracture, compound, tibia and fibula, "I-R" (XXV-188D)		1	2		1	1			1		4
Fracture, compound, ulna, "H" (XXV-187)		1	2	1					2		49
Fracture, compound, ulna, "I" (XXV-188)		1								1	24
Fracture, compound, ulna. "K" (XXV-190)		1	2	1					1	1	9
Fracture, compound, ulna, "I-R" (XXV-188D)	1			1							207
Fracture, near joint with dislocation, ankle, "G" (XXV-185)		1	1	1					1		58
Fracture, near joint with dislocation, ankle, "I" (XXV-188)		2	1	2					1		112
Fracture, near joint with dislocation, ankle, "J" (XXV-201)		1		1							29
Fracture, near joint with dislocation, elbow, "G" (XXV-185)		1	2				1		1	1	70
Fracture, near joint with dislocation, elbow, "J" (XXV-201)		1		1							44

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Fracture, near joint with dislocation, clavicle, "G" (XXV-185)	------	1	1	1	------	------	------	------	1	------	36
Fracture, near joint with dislocation, metacarpal, "G" (XXV-185)	------	2	1	1	------	------	------	------	1	1	19
Fracture, near joint with dislocation, metacarpal, "M" (XXV-201)	------	1	1	1	------	------	------	------	1	------	28
Fracture, near joint with dislocation, phalanges, foot, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	14
Fracture, near joint with dislocation, phalanges, hand, "G" (XXV-185)	------	2	2	1	------	------	------	------	2	1	42
Fracture, near joint with dislocation, phalanges, hand, "J" (XXV-201)	------	3	1	4	------	------	------	------	------	------	18
Fracture, near joint with dislocation, phalanges, hand, "M" (XXV-201)	------	1	------	1	------	------	------	------	------	------	24
Fracture, near joint with dislocation, vertebra, coccyx and sacral, "G" (XXV-185)	------	1	1	------	------	------	------	------	1	1	64
Fracture, near joint with dislocation, wrist, "G" (XXV-185)	------	3	2	2	------	------	1	------	2	------	186
Fracture, near joint with dislocation, wrist, "I" (XXV-188)	------	1	------	------	------	------	------	------	------	1	42
Fracture, near joint with dislocation, wrist, "M" (XXV-201)	------	1	1	1	------	------	------	------	1	------	41
Fracture, near joint with dislocation, wrist, "I-R" (XXV-188D)	1	------	2	------	------	------	1	------	2	------	193
Fracture, simple, about ankle, "G" (XXV-185)	2	5	9	5	2	------	------	1	6	2	310
Fracture, simple, about ankle, "I" (XXV-188)	------	3	4	------	1	------	------	1	4	1	237
Fracture, simple, about ankle, "J" (XXV-201)	1	6	2	6	------	------	------	------	2	1	185
Fracture, simple, about ankle, "M" (XXV-201)	------	3	1	3	------	------	------	------	1	------	98
Fracture, simple, about elbow, "G" (XXV-185)	1	------	------	1	------	------	------	------	------	------	30
Fracture, simple, about wrist, "G" (XXV-185)	4	23	14	24	1	------	3	------	13	------	906
Fracture, simple, about wrist, "H" (XXV-187)	1	------	2	2	------	------	------	------	1	------	91
Fracture, simple, about wrist, "I" (XXV-188)	------	6	3	6	------	------	------	------	2	1	161
Fracture, simple, about wrist, "J" (XXV-201)	------	5	6	7	------	------	------	------	4	------	166
Fracture, simple, about wrist, "M" (XXV-201)	------	2	1	2	------	------	------	------	1	------	14
Fracture, simple, alveolus, "M" (XXV-201)	------	2	2	1	------	------	------	------	2	1	70
Fracture, simple, calcaneum, "G" (XXV-185)	1	2	3	------	2	------	------	------	2	2	403
Fracture, simple, calcaneum, "I" (XXV-188)	2	1	2	2	------	------	1	------	2	------	234
Fracture, simple, calcaneum "J" (XXV-201)	------	1	1	1	------	------	------	------	1	------	30
Fracture, simple, clavicle, "G" (XXV-185)	1	20	21	23	------	------	------	------	18	1	810
Fracture, simple, clavicle, "H" (XXV-187)	------	2	3	2	------	------	------	------	3	------	218
Fracture, simple, clavicle, "I" (XXV-188)	6	17	13	19	1	------	------	------	13	3	832
Fracture, simple, clavicle, "J" (XXV-201)	4	22	23	26	1	------	------	------	20	2	943
Fracture, simple, clavicle, "M" (XXV-201)	2	7	4	6	2	------	------	1	4	------	227
Fracture, simple, coccyx, "G" (XXV-185)	------	1	1	------	------	------	------	------	1	1	99
Fracture, simple, coccyx, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	56
Fracture, simple, costal cartilage, "J" (XXV-201)	------	1	------	1	------	------	------	------	------	------	0
Fracture, simple, ethmoid bone, "J" (XXV-201)	------	1	1	1	------	------	------	------	1	------	30

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA	D.	C.	DD.	IS.	R.	T.	Cont	Days
INJURIES—Continued											
Fracture, simple, femur, "G" (XXV-185)	5	9	7	7	2	------	3	------	7	2	1,063
Fracture, simple, femur, "H" (XXV-187)	------	------	3	------	------	------	1	------	2	------	267
Fracture, simple, femur. "I" (XXV-185)	5	7	8	2	1	------	6	------	6	5	1,685
Fracture, simple, femur, "J" (XXV-201)	1	------	------	1	------	------	------	------	------	------	106
Fracture, simple, femur, "M" (XXV-201)	------	2	2	2	------	------	------	------	2	------	284
Fracture, simple, fibula, "G" (XXV-185)	6	25	14	29	1	------	------	------	12	3	1,217
Fracture, simple, fibula, "I" (XXV-188)	3	12	11	9	1	------	1	------	11	4	855
Fracture, simple, fibula, "J" (XXV-201)	7	45	38	51	1	------	------	------	36	2	2,498
Fracture, simple, fibula, "M" (XXV-201)	------	6	5	7	------	------	------	------	3	1	332
Fracture, simple, frontal bone, "G" (XXV-185)	------	1	1	1	------	------	------	------	1	------	28
Fracture, simple, frontal bone, "I" (XXV-188)	1	1	5	------	------	------	2	------	5	------	392
Fracture, simple, humerus, "G" (XXV-185)	2	6	8	6	1	------	1	------	7	1	333
Fracture, simple, humerus, "H" (XXV-187)	------	------	3	2	------	------	------	------	1	------	107
Fracture, simple, humerus, "I" (XXV-188)	2	5	5	3	------	------	------	------	5	4	670
Fracture, simple, humerus, "J" (XXV-201)	------	7	4	5	------	------	------	------	4	2	540
Fracture, simple, humerus, "M" (XXV-201)	2	2	4	2	1	------	1	1	3	------	238
Fracture, simple, humerus, "I-R" (XXV-188D)	------	3	4	2	------	------	------	------	4	1	179
Fracture, simple, humerus and ulna, "H" (XXV-187)	------	1	1	------	------	------	------	------	1	1	175
Fracture, simple, innominate bone, "G" (XXV-185)	------	1	1	------	------	------	------	------	1	1	29
Fracture, simple, malar bone, "J" (XXV-201)	------	1	1	1	------	------	------	------	1	------	19
Fracture, simple, malar bone, "M" (XXV-201)	------	5	5	4	------	------	------	------	5	1	105
Fracture, simple, malleolus, external, "G" (XXV-185)	------	2	2	------	1	------	------	1	2	------	161
Fracture, simple, malleolus, external, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	40
Fracture, simple, malleolus, external, "J" (XXV-201)	------	1	------	1	------	------	------	------	------	------	33
Fracture, simple, malleolus, external, "M" (XXV-201)	------	3	1	3	------	------	------	------	1	------	83
Fracture, simple, malleolus, internal, "G" (XXV-185)	------	2	------	2	------	------	------	------	------	------	73
Fracture, simple, malleolus, internal, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	76
Fracture, simple, maxilla, "G" (XXV-185)	1	12	12	12	1	------	------	------	12	------	720
Fracture, simple, maxilla, "H" (XXV-187)	------	2	1	2	------	------	------	------	1	------	76
Fracture, simple, maxilla, "I" (XXV-188)	------	5	3	4	------	------	------	------	3	1	200
Fracture, simple, maxilla, "J" (XXV-201)	2	9	5	9	1	------	------	1	5	------	448
Fracture, simple, maxilla, "M" (XXV-201)	5	34	29	27	4	------	------	------	29	8	1,784
Fracture, simple, maxilla, "I-R" (XXV-188D)	------	1	1	1	------	------	------	------	1	------	45
Fracture, simple, metacarpal, "G" (XXV-185)	------	48	23	44	3	------	------	------	19	5	1,340
Fracture, simple, metacarpal, "H" (XXV-187)	------	8	4	7	------	------	------	------	4	1	186
Fracture, simple, metacarpal, "I" (XXV-188)	2	21	12	22	------	------	------	------	12	1	660
Fracture, simple, metacarpal, "J" (XXV-201)	5	101	31	106	------	------	------	------	26	5	1,963
Fracture, simple, metacarpal, "M" (XXV-201)	4	123	49	123	5	------	------	------	43	5	2,564
Fracture, simple, metatarsal, "E" (XXV-183)	1	------	------	1	------	------	------	------	------	------	38
Fracture, simple, metatarsal, "G" (XXV-185)	3	8	5	11	1	------	------	------	4	------	396

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Fracture, simple, metatarsal, "H" (XXV-187)	1	3	3	4					2	1	157
Fracture, simple, metatarsal, "I" (XXV-188)	5	13	6	13	1		2		5	3	947
Fracture, simple, metatarsal, "J" (XXV-201)	2	5	5	6					5	1	205
Fracture, simple, metatarsal, "M" (XXV-201)	2	18	5	15	1		1		4	4	656
Fracture, simple, multiple, "G" (XXV-185)	2	4	7	3			3		6	1	563
Fracture, simple, multiple, "H" (XXV-187)		1	1				1		1		116
Fracture, simple, multiple, "I" (XXV-188)	1	1	1	1					1	1	193
Fracture, simple, multiple, "J" (XXV-201)		1	1	1					1		58
Fracture, simple, multiple, "M" (XXV-201)		1								1	47
Fracture, simple, nasal bone, "G" (XXV-185)		4	2	4					2		37
Fracture, simple, nasal bone "I" (XXV-188)		4	1	4					1		10
Fracture, simple, nasal bone, "J" (XXV-201)	2	26	9	27	2				8		253
Fracture, simple, nasal bone, "M" (XXV-201)	1	37	16	37	1				16		217
Fracture, simple, occipital bone, "G" (XXV-185)	1						1				95
Fracture, simple, parietal bone, "G" (XXV-185)	1	4	5	1	3		3		3		329
Fracture, simple, parietal bone, "I" (XXV-188)		3	2	2					2	1	113
Fracture, simple, parietal bone, "J" (XXV-201)		1	1	1					1		25
Fracture, simple, parietal bone, "M" (XXV-201)		1	1						1	1	26
Fracture, simple, patella, "G" (XXV-185)	1	4	2	5					2		252
Fracture, simple, patella, "H" (XXV-187)		1	1		1				1		77
Fracture, simple, patella, "I" (XXV-188)	1	1	2	1					1	2	296
Fracture, simple, patella, "J" (XXV-201)		3	4						4	3	162
Fracture, simple, pelvis, "I" (XXV-188)	1		3	1		1			2		91
Fracture, simple, phalanges, foot, "G" (XXV-185)		5	1	4					1	1	108
Fracture, simple, phalanges, foot, "H" (XXV-187)		6		6							84
Fracture, simple, phalanges, foot, "I" (XXV-188)	2	16	8	17					7	2	543
Fracture, simple, phalanges, foot, "J" (XXV-201)		1		1							14
Fracture, simple, phalanges, foot, "M" (XXV-201)	1	32	14	32					13	2	755
Fracture, simple, phalanges, hand, "E" (XXV-183)		1		1							4
Fracture, simple, phalanges, hand, "G" (XXV-185)	4	12	3	15					3	1	210
Fracture, simple, phalanges, hand, "H" (XXV-187)	1	11	3	11	1				3		291
Fracture, simple, phalanges, hand, "I" (XXV-188)		18	6	15	1				5	3	287
Fracture, simple, phalanges, hand, "J" (XXV-201)	1	32	7	31	1				7	1	487
Fracture, simple, phalanges, hand, "M" (XXV-201)	1	39	10	38	1				10	1	728
Fracture, simple, phalanges, hand, "H-S" (XXV-187)	1			1							67
Fracture, simple, phalanges, hand, "I-R" (XXV-188D)		1								1	23
Fracture, simple, pubic bone, "I" (XXV-188)		1	1				1		1		192
Fracture, simple, radius, "G" (XXV-185)	4	65	54	60	3		1		50	9	3,088
Fracture, simple, radius, "H" (XXV-187)		6	2	5					2	1	169
Fracture, simple, radius, "I" (XXV-188)	5	47	25	43	1				25	8	1,588

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rcm.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Fracture, simple, radius, "J" (XXV-201)	2	21	11	20	1		1		11	1	687
Fracture, simple, radius, "M" (XXV-201)	1	16	7	13				1	7	3	544
Fracture, simple, radius and ulna, "G" (XXV-185)	3	13	9	13	1			1	9	1	530
Fracture, simple, radius and ulna, "H" (XXV-187)	1		2	1					2		149
Fracture, simple, radius and ulna, "I" (XXV-188)	3	4	5	7			1		4		567
Fracture, simple, radius and ulna, "J" (XXV-201)	1	5	4	4	1				4	1	176
Fracture, simple, radius and ulna, "M" (XXV-201)	1	3	4	2					4	2	102
Fracture, simple, radius and ulna, "I-R" (XXV-188D)		1	2	1					2		71
Fracture, simple, rib, "G" (XXV-185)	1	21	6	20	1				6	1	410
Fracture, simple, rib, "I" (XXV-188)		10	4	7	1				4	2	254
Fracture, simple, rib, "J" (XXV-201)		13	5	12				1	5		217
Fracture, simple, rib, "M" (XXV-201)		5	4	6					3		86
Fracture, simple, rib, "I-R" (XXV-188D)		1	5						5	1	55
Fracture, simple, sacrum, "I" (XXV-188)		1		1							125
Fracture, simple, scapula, "G" (XXV-185)		4	6	4					6		240
Fracture, simple, scapula, "H" (XXV-187)		1	2				1		2		220
Fracture, simple, scapula, "I" (XXV-188)		1	5		1				5		178
Fracture, simple, scapula "J" (XXV-201)			6	2					4		97
Fracture, simple, semilunar cartilage, "H" (XXV-187)			1				1				15
Fracture, simple, sesamoid, foot, "G" (XXV-185)		1	1	1					1		18
Fracture, simple, sesamoid, foot, "I" (XXV-188)		1		1							17
Fracture, simple, skull, "G" (XXV-185)	1	7	4	3		5			4		246
Fracture, simple, skull, "I" (XXV-188)		3				3					0
Fracture, simple, skull, "M" (XXV-201)	1	1	1	1			1		1		196
Fracture, simple, skull, "I-R" (XXV-188D)		1	1			1			1		0
Fracture, simple, sternum, "G" (XXV-185)		3	3	2					3	1	142
Fracture, simple, teeth, "J" (XXV-201)		3	6	3	2				4		138
Fracture, simple, teeth, "M" (XXV-201)		5	2	4					2	1	52
Fracture, simple, teeth, "I-R" (XXV-188D)		1		1							0
Fracture, simple, temporal bone, "I" (XXV-188)		2	1	2					1		58
Fracture, simple, temporal bone, "J" (XXV-201)		1	1	1					1		3
Fracture, simple, tibia, "G" (XXV-185)	3	18	10	13	1		3		9	5	1,499
Fracture, simple, tibia, "I" (XXV-188)	9	14	17	15	2		2		16	5	1,909
Fracture, simple, tibia, "J" (XXV-201)	3	17	22	14	3		2		18	5	1,155
Fracture, simple, tibia, "M" (XXV-201)	2	5	6	4	1		1		6	1	526
Fracture, simple, tibia and fibula, "G" (XXV-185)	2	5	3	7					3		244
Fracture, simple, tibia and fibula, "H" (XXV-187)	1	1	4				1		3	2	294
Fracture, simple, tibia and fibula, "I" (XXV-188)	2	11	17	5	2		1		16	6	1,474
Fracture, simple, tibia and fibula, "J" (XXV-201)	5	9	9	10					9	4	1,171
Fracture, simple, tibia and fibula, "M" (XXV-201)		5	7	2					7	3	452

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Fracture, simple, tibia and fibula, "I-R" (XXV-188D)	1	1	1	------	------	------	1	------	1	1	196
Fracture, simple, ulna, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	41
Fracture, simple, ulna, "G" (XXV-185)	1	18	11	17	------	------	1	------	11	1	805
Fracture, simple, ulna, "H" (XXV-187)	1	------	------	------	1	------	------	------	------	------	5
Fracture, simple, ulna, "I" (XXV-188)	2	4	4	5	2	------	------	------	3	------	256
Fracture, simple, ulna, "J" (XXV-201)	2	9	5	12	------	------	------	------	4	------	209
Fracture, simple, ulna, "M" (XXV-201)	1	6	4	8	------	------	------	------	3	------	459
Fracture, simple, vertebra, cervical, "G" (XXV-185)	------	2	1	2	------	------	------	------	1	------	82
Fracture, simple, vertebra, cervical, "J" (XXV-201)	------	2	4	------	------	1	------	------	4	1	88
Fracture, simple, vertebra, lumbar, "G" (XXV-185)	1	2	3	2	------	------	1	------	3	------	186
Fracture, simple, vertebra, lumbar, "I" (XXV-188)	1	1	1	1	------	------	1	------	1	------	151
Fracture, simple, vertebra, lumbar, "J" (XXV-201)	------	1	1	1	------	------	------	------	1	------	55
Fracture, simple, vertebra, lumbar, "M" (XXV-201)	------	3	2	2	------	------	------	------	2	1	59
Frostbite, face, "M" (XXV-193)	------	1	2	1	1	------	------	------	1	------	25
Frostbite, hand, "H" (XXV-193)	------	1	------	1	------	------	------	------	------	------	16
Heat cramps, "H" (XXV-194)	1	18	1	19	------	------	------	------	1	------	52
Heat cramps, "J" (XXV-194)	------	1	------	1	------	------	------	------	------	------	3
Heat exhaustion, "H" (XXV-194)	------	44	3	42	1	1	------	------	3	------	193
Heat exhaustion, "J" (XXV-194)	------	1	------	1	------	------	------	------	------	------	2
Heat exhaustion, "M" (XXV-194)	------	13	2	14	------	------	------	------	1	------	51
Hematocele, traumatic, tunica vaginalis, "M" (XXV-202)	------	1	1	1	------	------	------	------	1	------	28
Hematoma, traumatic, ankle, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	5
Hematoma, traumatic, arm, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	0
Hematoma, traumatic, buttock, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	4
Hematoma, traumatic, ear, "J" (XXV-202)	------	5	1	4	------	------	------	------	1	1	39
Hematoma, traumatic, finger, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	5
Hematoma, traumatic, leg, "J" (XXV-202)	1	------	------	1	------	------	------	------	------	------	38
Hematoma, traumatic, lung, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	4
Hematoma, traumatic, nose, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	19
Hematoma, traumatic, scrotum, "G" (XXV-202)	------	1	------	1	------	------	------	------	------	------	25
Hemorrhage, traumatic, into eyeball, "J" (XXV-202)	1	1	4	1	------	------	1	------	4	------	91
Hemorrhage, traumatic, into eyeball, "M" (XXV-202)	1	1	------	1	------	------	1	------	------	------	35
Hemorrhage, traumatic, nose, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	4
Hemorrhage, traumatic, nose, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	11
Hemorrhage, traumatic, olecranon bursa, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	0
Hemorrhage, traumatic, penis, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	11
Hemorrhage, traumatic, renal, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	3
Hemorrhage, traumatic, subcutaenous, tibial region, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	10
Hemorrhage, traumatic, tonsil, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	4
Hemorrhage, traumatic, subdural, cerebral, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	15
Injuries, multiple, extreme, "G" (XXV-185)	1	3	3	1	1	2	------	------	3	------	50
Injuries, multiple, extreme, "H" (XXV-187)	------	3	3	------	1	2	------	------	3	------	68

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Injuries, multiple, extreme, "I" (XXV-188)	1	25	10	2	2	19	2	------	8	3	373
Injuries, multiple, extreme, "M" (XXV-202)	------	2	1	------	------	1	------	------	1	1	77
Injuries, multiple, exreme, "I-R" (XXV-188D)	------	13	11	1	2	11	------	------	9	1	246
Intracranial injury, "G" (XXV-185)	1	10	11	6	3	------	2	------	10	1	439
Intracranial injury, "H" (XXV-187)	1	2	1	2	1	------	------	------	1	------	60
Intracranial injury, "I" (XXV-188)	1	15	18	10	1	2	3	------	17	1	409
Intracranial injury, "J" (XXV-202)	------	4	3	4	------	------	------	------	2	1	202
Intracranial injury, "M" (XXV-202)	------	9	10	8	1	1	------	------	8	1	238
Intraspinal injury, "I" (XXV-188)	1	------	------	------	------	------	1	------	------	------	335
Intraspinal injury, "J" (XXV-202)	------	3	3	1	1	2	------	------	2	------	37
Periostitis, traumatic, humerus, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	95
Periostitis, traumatic, metacarpal, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	3
Periostitis, traumatic, rib, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	8
Periostitis, traumatic, tibia, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	12
Periostitis, traumatic, tibia, "M" (XVV-202)	------	2	1	2	------	------	------	------	1	------	9
Rupture, traumatic, achilles tendon, "J" (XXV-202)	------	1	1	2	------	------	------	------	------	------	63
Rupture, traumatic, capsule, shoulder "J" (XXV-202)	------	1	1	------	------	------	1	------	1	------	28
Rupture, traumatic, intestines, "I" (XXV-188)	------	2	2	------	------	2	------	------	2	------	1
Rupture, traumatic, intestines, "M" (XXV-202)	------	1	1	------	------	1	------	------	1	------	0
Rupture, traumatic, kidney, "G" (XXV-185)	------	1	1	------	------	------	------	------	1	1	107
Rupture, traumatic, kidney, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	16
Rupture, traumatic, kidney, "M" (XXV-202)	------	2	2	1	------	1	------	------	2	------	62
Rupture, traumatic, ligament, knee, "I" (XVV-188)	------	------	2	1	------	------	------	------	1	------	60
Rupture, traumatic, lung, "I" (XXV-188)	------	1	1	------	------	1	------	------	1	------	0
Rupture, traumatic, muscles, finger, "F" (XXV-184)	------	------	1	------	------	------	1	------	------	------	21
Rupture, traumatic, muscles, gastrocnemius, "I" (XXV-188)	------	1	1	1	------	------	------	------	1	------	71
Rupture, traumatic, muscles, gastrocnemius, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	0
Rupture, traumatic, muscles, popliteal, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	17
Rupture, traumatic, tympanum, "E" (XXV-183)	------	10	3	9	------	------	1	------	3	------	100
Rupture, traumatic, tympanum, "I-U" (XXV-183)	------	1	------	1	------	------	------	------	------	------	0
Rupture, traumatic, urethra, "G" (XXV-185)	1	------	------	------	1	------	------	------	------	------	95
Rupture, traumatic, vein, leg, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	3
Smoke inhalation, "C" (XXV-178)	------	1	1	1	------	------	------	------	1	------	1
Sprain, acromio-clavicular, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	3
Sprain, acromio-clavicular, "J" (XXV-202)	------	2	------	2	------	------	------	------	------	------	17
Sprain, ankle, "G" (XXV-185)	4	337	67	334	2	------	------	------	66	6	3,351
Sprain, ankle, "H" (XXV-187)	------	7	3	7	1	------	------	------	2	------	91
Sprain, ankle, "I" (XXV-188)	------	36	7	32	3	------	------	------	5	3	453
Sprain, ankle, "J" (XXV-202)	2	248	50	246	2	------	------	------	47	5	2,342
Sprain, ankle, "M" (XXV-202)	------	74	14	70	------	------	------	------	13	5	800
Sprain, ankle, "I-R" (XXV-188D)	------	2	------	1	------	------	------	------	------	1	48
Sprain, elbow, "G" (XXV-185)	------	15	1	14	------	------	------	------	1	1	79
Sprain, elbow, "H" (XXV-187)	------	3	------	3	------	------	------	------	------	------	45

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Sprain, elbow, "I" (XXV-188)		3	1	3					1		45
Sprain, elbow, "J" (XXV-202)		9	2	9					2		174
Sprain, elbow, "M" (XXV-202)		4		4							13
Sprain, hip, "G" (XXV-185)		3	1	3					1		24
Sprain, hip, "J" (XXV-202)		2	2	2					2		22
Sprain, hip, "M" (XXV-202)		2	1	1					1	1	36
Sprain, intervertebral, "G" (XXV-185)		5	1	5					1		41
Sprain, intervertebral, "I" (XXV-188)		1		1							3
Sprain, intervertebral, "J" (XXV-202)		6	2	6					2		140
Sprain, intervertebral, "M" (XXV-202)		7	3	4	2				3	1	287
Sprain, intervertebral, "I-R" (XXV-188D)		1		1							3
Sprain, knee, "G" (XXV-185)	4	75	23	73	2		3		21	3	1,578
Sprain, knee, "I" (XXV-188)		14	13	12	2		1		11	1	532
Sprain, knee, "J" (XXV-202)	8	103	42	108	6		4		31	4	1,788
Sprain, knee, "M" (XXV-202)	1	21	7	22					6	1	296
Sprain, metacarpal, "G" (XXV-185)		1		1							4
Sprain, metacarpal, "J" (XXV-202)		1		1							7
Sprain, metacarpal "M" (XXV-202)		1	1	2							21
Sprain, metatarsal, "G" (XXV-185)		4		4							31
Sprain, metatarsal, "J" (XXV-202)		3		3							7
Sprain, metatarsal, "M" (XXV-202)		1	1	1					1		46
Sprain, multiple, "G" (XXV-185)		2		2							9
Sprain, multiple, "M" (XXV-202)		2		2							18
Sprain, phalanges, foot, "G" (XXV-185)		3		3							36
Sprain, phalanges, foot, "J" (XXV-202)		6	2	7					1		76
Sprain, phalanges, foot, "M" (XXV-202)		1		1							3
Sprain, phalanges, hand, "G" (XXV-185)		6	1	6					1		27
Sprain, phalanges, hand, "H" (XXV-187)		1		1							2
Sprain, phalanges, hand, "I" (XXV-188)		1	1	1					1		2
Sprain, phalanges, hand, "J" (XXV-202)		10		10							57
Sprain, phalanges, hand, "M" (XXV-202)	1	6		7							25
Sprain, sacro-iliac, "G" (XXV-185)		12	7	10	1		1		6	1	323
Sprain, sacro-iliac, "H" (XXV-187)		1		1							7
Sprain, sacro-iliac, "I" (XXV-188)		2		2							7
Sprain, sacro-iliac, "J" (XXV-202)	1	4	6	5					5	1	233
Sprain, sacro-iliac, "M" (XXV-202)	4	16	12	15	1		3		10	3	661
Sprain, shoulder, "G" (XXV-185)		13	2	12					2	1	90
Sprain, shoulder, "I" (XXV-188)		4	1	4					1		20
Sprain, shoulder, "J" (XXV-202)		25	9	23					9	2	294
Sprain, shoulder, "M" (XXV-202)		7	1	6	1				1		47
Sprain, sternoclavicular, "G" (XXV-185)		1		1							9
Sprain, sternoclavicular, "I" (XXV-188)		1		1							25
Sprain, sternoclavicular, "J" (XXV-202)		1	3	2					2		33
Sprain, wrist, "G" (XXV-185)	1	45	6	43	2				6	1	362
Sprain, wrist, "H" (XXV-187)		2		2							4
Sprain, wrist, "I" (XXV-188)		13		12						1	63
Sprain, wrist, "J" (XXV-202)		23	4	22					4	1	140

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Sprain, wrist, "M" (XXV-202)		10		10							57
Strain, abdominal, "G" (XXV-185)		2		2							8
Strain, abdominal, "H" (XXV-187)		2		2							5
Strain, abdominal, "I" (XXV-188)	1				1						33
Strain, abdominal, "J" (XXV-202)		9	5	10					4		77
Strain, abdominal, "M" (XXV-202)	1	13	4	14			1		3		132
Strain, back, "G" (XXV-185)		14	2	13					2	1	112
Strain, back, "H" (XXV-187)		11	7	11			1		6		219
Strain, back, "I" (XXV-188)		7	2	7					2		79
Strain, back, "J" (XXV-202)		20	9	21	1				7		303
Strain, back, "M" (XXV-202)	1	46	16	49				1	12	1	651
Strain, foot, "H" (XXV-187)		3		3							13
Strain, foot, "M" (XXV-202)		4		3			1				120
Strain, forearm, "I" (XXV-188)		1		1							2
Strain, inguinal region, "G" (XXV-185)		1		1							3
Strain, inguinal region, "M" (XXV-202)		2		2							23
Strain, intercostal, "J" (XXV-202)		1	1	1					1		5
Strain, knee, "G" (XXV-185)		1	1	1					1		2
Strain, knee, "J" (XXV-202)		2	1	2					1		29
Strain, leg, "I" (XXV-188)		1	1	1					1		13
Strain, leg, "J" (XXV-202)		3	2	3					2		97
Strain, leg, "M" (XXV-202)		1		1							5
Strain, muscles, ankle, "M" (XXV-202)		1		1							3
Strain, muscles, deltoid, "G" (XXV-185)		2	1	2					1		44
Strain, muscles, pectoral, "J" (XXV-202)		1		1							5
Strain, muscles, pectoral, "M" (XXV-202)		1		1							5
Strain, muscles, trapezius, "M" (XXV-202)		1		1							2
Strain, neck, "I" (XXV-188)		1	2	1					2		26
Strain, neck, "J" (XXV-202)		3		3							21
Strain, neck, "M" (XXV-202)		3		3							10
Strain, sacro-iliac, "M" (XXV-202)		1	1				1		1		47
Strain, shoulder, "G" (XXV-185)	1			1							8
Strain, shoulder, "J" (XXV-202)		1		1							4
Strain, shoulder, "M" (XXV-202)		2		2							10
Strain, thigh, "G" (XXV-185)		3		3							14
Strain, thigh, "J" (XXV-202)		11	3	10					3	1	99
Strain, thigh, "M" (XXV-202)		5	1	5					1		34
Strain, thorax, posterior, "M" (XXV-202)		1		1							1
Strangulation, neck, "A" (XXV-168)		5				5					0
Submersion, nonfatal, "C" (XXV-178)		1	1	1					1		3
Submersion, nonfatal, "D" (XXV-182)		7	1	7					1		45
Submersion, nonfatal, "I-R" (XXV-188D)		1		1							3
Sunburn, arm, "L" (XXV-179)		7		7							23
Sunburn, back, "J" (XXV-179)		1	1	1					1		12
Sunburn, back, "L" (XXV-179)		2		2							12
Sunburn, face, "L" (XXV-179)		4		4							11
Sunburn, foot, "J" (XXV-179)		1		1							6
Sunburn, foot, "L" (XXV-179)		1		1							4
Sunburn, leg, "J" (XXV-179)		3		3							26
Sunburn, leg, "L" (XXV-179)		1		1							2
Sunburn, lower extremities, "J" (XXV-179)		1		1							3
Sunburn, multiple, "J" (XXV-179)		29		29							132
Sunburn, multiple, "L" (XXV-179)		19		19							82
Sunburn, shoulder, "J" (XXV-179)		6		6							19

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Sunburn, shoulder, "L" (XXV-179)		2		2							3
Sunburn, thigh, "J" (XXV-179)		1		1							2
Sunburn, trunk, "J" (XXV-179)		1		1							5
Sunburn, trunk, "L" (XXV-179)		4		4							16
Sunstroke, "M" (XXV-194)		8	5	8	1				4		67
Synovitis, traumatic, elbow, "J" (XXV-202)		1		1							29
Synovitis, traumatic, hip, "J" (XXV-202)		1								1	68
Synovitis, traumatic, knee, "G" (XXV-185)	4	14	11	14	1		1		9	4	973
Synovitis, traumatic, knee, "H" (XXV-187)	1				1						1
Synovitis, traumatic, knee, "I" (XXV-188)			1				1				131
Synovitis, traumatic, knee, "J" (XXV-202)		14	14	19			1		7	1	493
Synovitis, traumatic, knee, "M" (XXV-202)		6	4	7					3		163
Synovitis, traumatic, metatarsal, "J" (XXV-202)		1		1							11
Synovitis, traumatic, sternoclavicular, "J" (XXV-202)		1		1							51
Synovitis, traumatic, wrist, "M" (XXV-202)		1		1							3
Thermic fever, "M" (XXV-194)		1	1	1					1		7
Torsion, traumatic, ear, "J" (XXV-202)		1	1	1					1		20
Torsion, traumatic, knee, "I" (XXV-188)		1	1	1					1		22
Torsion, traumatic, knee, "J" (XXV-202)		2	1	1					1	1	39
Torsion, traumatic, neck, "J" (XXV-202)		1	1	1					1		31
Torsion, traumatic, spermatic cord, "I" (XXV-188)		1		1							10
Wound, contused, back, "G" (XXV-185)		2	2	2					2		11
Wound, contused, chest, "I" (XXV-188)		1	1	1					1		34
Wound, contused, elbow, "J" (XXV-202)		1		1							6
Wound, contused, eye, "M" (XXV-202)		1	1	1					1		27
Wound, contused, finger, "H" (XXV-187)		2	3	2					3		103
Wound, contused, finger, "M" (XXV-202)		3		3							13
Wound, contused, foot, "I" (XXV-188)		1		1							10
Wound, contused, foot, "M" (XXV-202)		1		1							3
Wound, contused, forearm, "I" (XXV-188)		1		1							8
Wound, contused, forehead, "H" (XXV-187)		1	1	1					1		21
Wound, contused, hand, "M" (XXV-202)		1		1							9
Wound, contused, knee, "G" (XXV-185)		1		1							4
Wound contused, leg, "M" (XXV-202)		1		1							8
Wound, contused, leg, "M-S" (XXV-202)		1		1							8
Wound, contused, neck, "G" (XXV-185)		1		1							3
Wound, contused, nose, "M" (XXV-202)		1		1							3
Wound, contused, toe, "I" (XXV-188)		2		2							8
Wound, contused, toe, "M" (XXV-202)		1		1							3
Wound, contused, wrist, "G" (XXV-185)		1		1							4
Wound, incised, ankle, "F" (XXV-184)		2		2							34
Wound, incised, arm, "B" (XXV-198)		1		1							18

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, incised, arm, "F" (XXV-184)		3	1	3					1		8
Wound, incised, axilla, "F" (XXV-184)		1		1							7
Wound, incised, back, "B" (XXV-198)		1		1							6
Wound, incised, back, "F" (XXV-184)		2	2	2					2		40
Wound, incised, buttock, "M" (XXV-202)		1		1							12
Wound, incised, cheek, "F" (XXV-184)		1	1	1					1		4
Wound, incised, check, "M" (XXV-202)		1		1							2
Wound, incised, chest, "A" (XXV-171)		2	1		2				1		19
Wound, incised, chest, "F" (XXV-184)		2	1	2					1		58
Wound, incised, ear, "M" (XXV-202)		1		1							2
Wound, incised, elbow, "I" (XXV-188)		1		1							10
Wound, incised, eye, "F" (XXV-184)	1	1		1	1						81
Wound, incised, eye, "G" (XXV-185)		1	1	1					1		75
Wound, incised, eye, "J" (XXV-202)		2	2	2					2		19
Wound, incised, eyelid, "M" (XXV-202)		2	1	2					1		7
Wound, incised, face, "F" (XXV-184)	1	2	1	2					1	1	23
Wound, incised face, "I" (XXV-188)		1		1							28
Wound, incised, finger, "F" (XXV-184)	4	45	9	39	5				9	5	776
Wound, incised, finger, "H" (XXV-187)	2	18	9	19	1		1		8		420
Wound, incised, finger, "I" (XXV-188)		1		1							5
Wound, incised, finger, "J" (XXV-202)		1		1							10
Wound, incised, finger, "M" (XXV-202)		2	1	2					1		18
Wound, incised, foot, "F" (XXV-184)		11		11							102
Wound, incised, foot, "H" (XXV-187)		1		1							8
Wound, incised, foot, "J" (XXV-202)		1		1							9
Wound, incised, forearm, "A" (XXV-171)		1		1							6
Wound, incised, forearm, "B" (XXV-198)		1		1							4
Wound, incised, forearm, "F" (XXV-184)		2		2							16
Wound, incised, forearm, "G" (XXV-185)		1		1							8
Wound, incised, forearm, "I" (XXV-188)		2		2							27
Wound, incised, forehead, "G" (XXV-185)		1		1							6
Wound, incised, forehead, "M" (XXV-202)		4	1	4					1		34
Wound, incised, groin, "F" (XXV-184)		1		1							3
Wound, incised, hand, "F" (XXV-184)	3	27	5	30	1				4		705
Wound, incised, hand, "I" (XXV-188)		3		3							51
Wound, incised, hand, "M" (XXV-202)		1	1	1					1		24
Wound, incised, head, "I" (XXV-188)		1	1	1					1		17
Wound, incised, knee, "F" (XXV-184)		7		7							55
Wound, incised, knee, "G" (XXV-185)		1		1							4
Wound, incised, knee, "I" (XXV-188)		1	1	1					1		6

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, incised, leg, "F" (XXV-184)	1	6	2	7					2		85
Wound, incised, leg, "I" (XXV-188)		2	1	2					1		26
Wound, incised, leg, "M" (XXV-202)		1		1							8
Wound, incised, multiple, "F" (XXV-184)		5	4	4					4	1	64
Wound, incised, multiple, "I" (XXV-188)		1		1							2
Wound, incised, neck, "A" XXV-171)		1	1		1				1		8
Wound, incised, neck, "I" (XXV-188)		1		1							3
Wound, incised, nose, "M" (XXV-202)		1		1							0
Wound, incised, parietal, "M" (XXV-202)		1	1	1					1		15
Wound, incised, penis, "F" (XXV-184)		1	1						1	1	0
Wound, incised, prepuce, "F" (XXV-184)		1	1	1					1		7
Wound, incised, scalp, "M" (XXV-202)		1		1							10
Wound, incised, shoulder, "I" (XXV-188)		1		1							4
Wound, incised, supraorbital, "J" (XXV-202)		1		1							5
Wound, incised, thigh, "F" (XXV-184)		5	2	5					2		52
Wound, incised, throat, "A" (XXV-171)	1	3			1	3					1
Wound, incised, toe, "F" (XXV-184)		3		3							40
Wound, incised, tongue, "I" (XXV-188)		1		1							4
Wound, incised, wrist, "B" (XXV-198)		1	1	1					1		180
Wound, incised, wrist, "F" (XXV-184)		6		6							77
Wound, incised, wrist, "M" (XXV-202)		1	2		1				2		125
Wound, lacerated, ankle, "F" (XXV-184)		1		1							9
Wound, lacerated, ankle, "I" (XXV-188)	1			1							10
Wound, lacerated, ankle, "J" (XXV-202)		1		1							5
Wound, lacerated, ankle, "M" (XXV-202)		1	1	1					1		17
Wound, lacerated, arm, "E" (XXV-183)		3	1	3					1		37
Wound, lacerated, arm, "G" (XXV-185)		1		1							3
Wound, lacerated, arm, "H" (XXV-187)	2	1		2			1				198
Wound, lacerated, arm, "I" (XXV-188)		2		2							17
Wound, lacerated, arm, "M" (XXV-202)	1	1		1			1				14
Wound, lacerated, axilla, "M" (XXV-202)		1		1							7
Wound, lacerated, buttock, "I" (XXV-188)		1	1	1					1		33
Wound, lacerated, cheek, "H" (XXV-187)		1	1	1					1		15
Wound, lacerated, cheek, "I" (XXV-188)				1	1						6
Wound, lacerated, cheek, "M" (XXV-202)		2	1	2					1		19
Wound, lacerated, cheek, "I-R" (XXV-188D)		1		1							6
Wound, lacerated, chest, "E" (XXV-183)		1	1	1					1		26
Wound, lacerated, chest, "I" (XXV-188)		1		1							17
Wound, lacerated, chin, "G" (XXV-185)		2		2							7
Wound, lacerated, chin, "J" (XXV-202)		1		1							5

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, lacerated, chin, "M" (XXV-202)	------	2	1	2	------	------	------	------	1	------	16
Wound, lacerated, cornea, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	6
Wound, lacerated, cornea, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	8
Wound, lacerated, cornea, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	20
Wound, lacerated, ear, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	10
Wound, lacerated, ear, "G" (XXV-185)	------	1	1	1	------	------	------	------	1	------	3
Wound, lacerated, ear, "I" (XXV-188)	------	3	2	3	------	------	------	------	2	------	33
Wound, lacerated, ear, "M" (XXV-202)	------	4	2	4	------	------	------	------	2	------	57
Wound, lacerated, elbow, "E" (XXV-183)	------	1	1	------	------	------	------	------	1	1	23
Wound, lacerated, elbow, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	15
Wound, lacerated, elbow, "G" (XXV-185)	------	2	------	2	------	------	------	------	------	------	15
Wound, lacerated, elbow, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	7
Wound, lacerated, eye, "F" (XXV-184)	------	5	5	3	------	------	1	------	5	1	217
Wound, lacerated, eye, "G" (XXV-185)	------	2	1	2	------	------	------	------	1	------	33
Wound, lacerated, eye, "H" (XXV-187)	------	2	1	1	------	------	------	------	1	1	8
Wound, lacerated, eye, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	5
Wound, lacerated, eye, "J" (XXV-202)	------	4	2	3	1	------	------	2	------	------	67
Wound, lacerated, eye, "M" (XXV-202)	2	7	7	5	3	------	1	------	7	------	404
Wound, lacerated, eyelid, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	0
Wound, lacerated, eyelid, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	4
Wound, lacerated, eyelid, "M" (XXV-202)	1	3	------	3	1	------	------	------	------	------	227
Wound, lacerated, face, "F" (XXV-184)	------	2	------	1	------	------	------	------	1	------	4
Wound, lacerated, face, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	5
Wound, lacerated, face, "I" (XXV-188)	2	1	------	3	------	------	------	------	------	------	134
Wound, lacerated, face, "M" (XXV-202)	------	5	1	5	------	------	------	------	1	------	17
Wound, lacerated, face, "I-R" (XXV-188D)	------	3	1	3	------	------	------	------	1	------	33
Wound, lacerated, finger, "E" (XXV-183)	------	4	2	3	------	------	------	------	2	1	92
Wound, lacerated, finger, "F" (XXV-184)	2	30	5	29	2	------	------	------	5	1	506
Wound, lacerated, finger, "G" (XXV-185)	------	6	4	7	------	------	------	------	3	------	136
Wound, lacerated, finger, "H" (XXV-187)	3	88	17	83	4	------	1	------	17	3	1,400
Wound, lacerated, finger, "I" (XXV-188)	2	41	7	43	------	------	------	------	7	------	940
Wound, lacerated, finger, "J" (XXV-202)	1	9	------	10	------	------	------	------	------	------	111
Wound, lacerated, finger, "M" (XXV-202)	------	66	8	65	1	------	------	------	6	2	857
Wound, lacerated, finger, "H-S" (XXV-187)	------	1	------	1	------	------	------	------	------	------	9
Wound, lacerated, finger, "I-R" (XXV-188)	------	2	2	2	------	------	------	------	2	------	36
Wound, lacerated, foot, "E" (XXV-183)	------	2	3	1	1	------	------	------	3	------	44
Wound, lacerated, foot, "F" (XXV-184)	------	17	5	16	1	------	------	------	5	------	241
Wound, lacerated, foot, "G" (XXV-185)	------	4	------	4	------	------	------	------	------	------	35
Wound, lacerated, foot, "H" (XXV-187)	------	2	1	3	------	------	------	------	------	------	27
Wound, lacerated, foot, "I" (XXV-188)	1	4	1	4	1	------	------	------	1	------	216

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, lacerated, foot, "J" (XXV-202)	------	3	------	3	------	------	------	------	------	------	25
Wound, lacerated, foot, "M" (XXV-202)	1	6	1	7	------	------	------	------	1	------	210
Wound, lacerated, forearm, "E" (XXV-183)	------	2	2	1	1	------	------	------	2	------	40
Wound, lacerated, forearm, "F" (XXV-184)	1	1	------	2	------	------	------	------	------	------	12
Wound, lacerated, forearm, "G" (XXV-185)	------	2	------	2	------	------	------	------	------	------	23
Wound, lacerated, forearm, "H" (XXV-187)	1	5	1	6	------	------	------	------	1	------	99
Wound, lacerated, forearm, "I" (XXV-188)	1	5	4	5	1	------	------	------	3	1	147
Wound, lacerated, forearm, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	9
Wound, lacerated, forehead, "C" (XXV-178)	------	1	------	1	------	------	------	------	------	------	10
Wound, lacerated, forehead, "F" (XXV-184)	------	1	1	2	------	------	------	------	------	------	14
Wound, lacerated, forehead, "G" (XXV-185)	------	11	1	10	1	------	------	------	1	------	47
Wound, lacerated, forehead, "H" (XXV-187)	------	4	------	4	------	------	------	------	------	------	16
Wound, lacerated, forehead, "I" (XXV-188)	------	12	1	12	------	------	------	------	1	------	85
Wound, lacerated, forehead, "J" (XXV-202)	------	1	1	2	------	------	------	------	------	------	5
Wound, lacerated, forehead, "M" (XXV-202)	------	19	7	17	2	------	------	------	7	------	146
Wound, lacerated, forehead, "I-R" (XXV-188D)	------	1	------	1	------	------	------	------	------	------	4
Wound, lacerated, gums, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	3
Wound, lacerated, hand, "E" (XXV-183)	1	2	2	3	------	------	------	------	2	------	147
Wound, lacerated, hand, "F" (XXV-184)	2	29	7	31	------	------	------	------	7	------	516
Wound, lacerated, hand, "G" (XXV-185)	------	4	1	4	------	------	------	------	1	------	80
Wound, lacerated, hand, "H" (XXV-187)	1	21	9	16	2	------	------	------	9	4	696
Wound, lacerated, hand, "I" (XXV-188)	------	14	2	14	------	------	------	------	2	------	103
Wound, lacerated, hand, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	3
Wound, lacerated, hand, "M" (XXV-202)	2	12	2	12	2	------	------	------	1	1	142
Wound, lacerated, hand, "I-R" (XXV-188D)	------	1	------	1	------	------	------	------	------	------	24
Wound, lacerated, head, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	5
Wound, lacerated, head, "G" (XXV-185)	------	5	------	5	------	------	------	------	------	------	14
Wound, lacerated, head, "I" (XXV-188)	------	6	------	5	------	------	------	------	------	1	37
Wound, lacerated, head, "J" (XXV-202)	------	2	------	2	------	------	------	------	------	------	11
Wound, lacerated, head, "M" (XXV-202)	------	12	2	12	------	------	------	------	2	------	62
Wound, lacerated, head, "I-R" (XXV-188D)	------	1	------	1	------	------	------	------	------	------	10
Wound, lacerated, heel, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	17
Wound, lacerated, heel, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	17
Wound, lacerated, heel, "M" (XXV-202)	------	1	1	1	------	------	------	------	1	------	146
Wound, lacerated, jaw, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	3
Wound, lacerated, knee, "F" (XXV-184)	------	2	------	2	------	------	------	------	------	------	25
Wound, lacerated, knee, "G" (XXV-185)	------	7	1	7	------	------	------	------	1	------	118
Wound, lacerated, knee, "I" (XXV-188)	3	11	4	10	2	------	------	------	5	1	209
Wound, lacerated, knee, "J" (XXV-202)	------	1	1	1	------	------	------	------	1	------	14
Wound, lacerated, knee, "M" (XXV-202)	------	3	------	2	1	------	------	------	------	------	27

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, lacerated, leg, "C" (XXV-178)		1	1						1	1	47
Wound, lacerated, leg, "F" (XXV-184)		2	1	2					1		47
Wound, lacerated, leg, "G" (XXV-185)		15	4	14					4	1	212
Wound, lacerated, leg, "H" (XXV-187)		2		2							20
Wound, lacerated, leg, "I" (XXV-188)		4	2	5					1		112
Wound, lacerated, leg, "M" (XXV-202)		15	5	15					5		248
Wound, lacerated, lip, "E" (XXV-183)		1	1						1	1	74
Wound, lacerated, lip, "G" (XXV-185)		4	2	3					2	1	51
Wound, lacerated, lip, "J" (XXV-202)		4	1	4					1		20
Wound, lacerated, lip, "M" (XXV-202)		4	2	5					1		32
Wound, lacerated, lumbar region, "H" (XXV-187)		1		1							25
Wound, lacerated, multiple, "B" (XXV-198)		1		1							5
Wound, lacerated, multiple, "F" (XXV-184)		1	1	1					1		77
Wound, lacerated, multiple, "G" (XXV-185)		1	1	1					1		25
Wound, lacerated, multiple, "H" (XXV-187)		1	2	1	1				1		79
Wound, lacerated, multiple, "I" (XXV-188)		11	4	11					4		158
Wound, lacerated, multiple, "M" (XXV-202)		2	1	2					1		15
Wound, lacerated, neck, "E" (XXV-183)		1		1							3
Wound, lacerated, neck, "F" (XXV-184)		2	2		2				2		19
Wound, lacerated, neck, "G" (XXV-185)		1		1							16
Wound, lacerated, neck, "I" (XXV-188)		1		1							8
Wound, lacerated, neck, "M" (XXV-202)		1	1	1					1		10
Wound, lacerated, neck, trachea and larynx, "I" (XXV-188)		1	1			1			1		1
Wound, lacerated, nose, "G" (XXV-185)		2	1	2					1		13
Wound, lacerated, nose, "I" (XXV-188)		2	1	2					1		26
Wound, lacerated, nose, "M" (XXV-202)		4	1	4					1		19
Wound, lacerated, scalp, "B" (XXV-198)		1		1							11
Wound, lacerated, scalp, "E" (XXV-183)		1	1	1					1		9
Wound, lacerated, scalp, "F" (XXV-184)		1		1							0
Wound, lacerated, scalp, "G" (XXV-185)		20	8	20					8		338
Wound, lacerated, scalp, "H" (XXV-187)		1	1						1	1	22
Wound, lacerated, scalp, "I" (XXV-188)		15	7	12	1				7	2	247
Wound, lacerated, scalp, "J" (XXV-202)		5	2	4					2	1	33
Wound, lacerated, scalp, "M" (XXV-202)	1	32	10	31	2				9	1	189
Wound, lacerated, scrotum, "G" (XXV-185)		1		1							10
Wound, lacerated, scrotum, "I" (XXV-188)		2		2							33
Wound, lacerated, shoulder, "E" (XXV-183)		1	1	1					1		29
Wound, lacerated, supraorbital, "G" (XXV-185)		1		1							3
Wound, lacerated, supraorbital, "I" (XXV-188)		2		2							6
Wound, lacerated, supraorbital, "M" (XXV-202)		1		1							3

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, lacerated, temporal region, "E" (XXV-183)		1		1							6
Wound, lacerated, temporal region, "M" (XXV-202)		2	1	2					1		14
Wound, lacerated, thigh, "F" (XXV-184)			1	1							11
Wound, lacerated. thigh, "G" (XXV-185)		1	1	1					1		16
Wound, lacerated. thigh, "H" (XXV-187)		1		1							8
Wound, lacerated. thigh, "I" (XXV-188)	1	5	5	5					5	1	211
Wound, lacerated, toe, "F" (XXV-184)		3	1	3					1		83
Wound lacerated, toe, "G" (XXV-185)		2		2							10
Wound, laceratcd, toe, "I" (XXV-188)		7	1	8							108
Wound, lacerated, toe, "J" (XXV-202)		1		1							8
Wound, lacerated, toe, "M" (XXV-202)		8	1	8					1		100
Wound, lacerated, tongue, "J" (XXV-202)		1		1							9
Wound, lacerated, wrist, "F" (XXV-184)		8	3	7	1				3		135
Wound, lacerated, wrist, "G" (XXV-185)		1		1							0
Wound, lacerated, wrist, "H" (XXV-187)		1		1							5
Wound, lacerated, wrist, "I" (XXV-188)		3		3							35
Wound, lacerated, wrist, "J" (XXV-202)		1		1							23
Wound, multiple, "A" (XXV-171)		1	1		1				1		5
Wound, multiple, "B" (XXV-198)		1				1					0
Wound, multiple, "E" (XXV-183)		6		4	1					1	88
Wound, multiple, "F" (XXV-184)		7	3	7					3		99
Wound, multiple, "G" (XXV-185)		7	2	7					2		64
Wound, multiple, "H" (XXV-187)		5	6	5					4	2	510
Wound, multiple, "I" (XXV-188)		16	3	14		1			3	1	152
Wound, multiple, "J" (XXV-202)		1		1							5
Wound, multiple, "M" (XXV-202)		9	4	8		1			4		74
Wound, multiple, "I-R" (XXV-188D)		3	1	1		1			1	1	64
Wound, penetrating, ankle, "E" (XXV-183)		1	1	1					1		26
Wound, penetrating, ankle, "H" (XXV-187)		1		1							16
Wound, penetrating, brain, "A" (XXV-170)		9	1			9			1		1
Wound, penetrating, brain, "B" (XXV-197)		1				1					0
Wound, penetrating, brain, "E" (XXV-183)		1	1			1			1		0
Wound, penetrating, chest, "E" (XXV-183)		2	3	2					3		211
Wound, penetrating, eye, "M" (XXV-202)		1	2				1		2		111
Wound, penetrating, foot, "E" (XXV-183)		1	1	1					1		37
Wound, penetrating, multiple, "E" (XXV-183)		2	2	1		1			2		64
Wound, penetrating, thigh, "J" (XXV-202)		1	1	1					1		27
Wound, penetrating, toe, "G" (XXV-185)		1		1							2
Wound, penetrating, umbilicus, "E" (XXV-183)		1		1							26
Wound, perforated, brain, "A" (XXV-170)		2				2					0

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, perforated, chest, "A" (XXV-170)	------	3	1	------	1	2	------	------	1	------	21
Wound, perforated, heart, "A" (XXV-170)	------	1	------	------	------	1	------	------	------	------	0
Wound, punctured, abdomen, "A" (XXV-170)	------	1	1	------	1	------	------	------	1	------	12
Wound, punctured, abdomen, "B" (XXV-197)	1	1	2	1	------	1	------	------	2	------	103
Wound, punctured, abdomen, "E" (XXV-183)	1	2	4	2	3	------	------	------	2	------	82
Wound, punctured, abdomen, "F" (XXV-184)	------	1	1	------	------	------	------	------	1	1	8
Wound, punctured, ankle, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	2
Wound, punctured, arm, "B" (XXV-198)	------	1	------	1	------	------	------	------	------	------	2
Wound, punctured, arm, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	7
Wound, punctured, arm, "J" (XXV-202)	------	------	1	1	------	------	------	------	------	------	29
Wound, punctured, back, "E" (XXV-183)	------	1	1	1	------	------	------	------	1	------	71
Wound, punctured, back, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	5
Wound, punctured, buttock, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	3
Wound, punctured, cheek, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	10
Wound, punctured, chest, "A" (XXV-170)	------	9	3	2	3	5	------	------	2	------	82
Wound, punctured, chest, "B" (XXV-198)	------	1	1	1	------	------	------	------	1	------	48
Wound, punctured, chest, "E" (XXV-183)	------	3	1	------	------	2	------	------	1	1	100
Wound, punctured, chest, "F" (XXV-184)	------	4	3	4	------	------	------	------	3	------	56
Wound, punctured, chest, "M" (XXV-202)	------	2	1	2	------	1	------	------	------	------	14
Wound, punctured, eye, "E" (XXV-183)	1	------	------	------	------	------	------	------	------	1	366
Wound, punctured, eye, "F" (XXV-184)	1	4	3	3	------	------	1	------	3	1	159
Wound, punctured, eye, "M" (XXV-202)	1	------	------	------	1	------	------	------	------	------	37
Wound, punctured, finger, "E" (XXV-183)	------	1	------	1	------	------	------	------	------	------	41
Wound, punctured, finger, "F" (XXV-184)	------	8	4	8	------	------	------	------	4	------	228
Wound, punctured, finger, "H" (XXV-187)	------	2	3	2	------	------	------	------	3	------	121
Wound, punctured, finger, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	1
Wound, punctured, foot, "E" (XXV-183)	2	4	2	6	------	------	1	------	1	------	231
Wound, punctured, foot, "F" (XXV-184)	1	53	2	53	1	------	------	------	2	------	256
Wound, punctured, foot, "G" (XXV-185)	------	1	------	1	------	------	------	------	------	------	10
Wound, punctured, foot, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	14
Wound, punctured, foot, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	3
Wound, punctured, foot, "J" (XXV-202)	1	4	------	5	------	------	------	------	------	------	28
Wound, punctured, foot, "M" (XXV-202)	------	3	------	3	------	------	------	------	------	------	19
Wound, punctured, forearm, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	5
Wound, punctured, forearm, "H" (XXV-187)	------	1	2	2	------	------	------	------	1	------	13
Wound, punctured, forearm, "M" (XXV-202)	------	1	1	1	------	------	------	------	1	------	77
Wound, punctured, groin, "E" (XXV-183)	------	1	------	1	------	------	------	------	------	------	8
Wound, punctured, groin, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	57
Wound, punctured, hand, "E" (XXV-183)	------	3	4	2	------	------	------	------	4	1	154
Wound, punctured, hand, "F" (XXV-184)	------	6	2	7	------	------	------	------	1	------	23

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

Diagnoses	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
INJURIES—Continued											
Wound, punctured, hand, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	9
Wound, punctured, hand, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	0
Wound, punctured, hand, "M" (XXV-202)	------	4	3	3	1	------	------	------	3	------	109
Wound, punctured, head, "I" (XXV-188)	------	1	1	------	------	------	------	------	1	1	0
Wound, punctured, heel, "F" (XXV-184)	------	2	------	2	------	------	------	------	------	------	104
Wound, punctured, hip, "E" (XXV-183)	------	1	------	1	------	------	------	------	------	------	5
Wound, punctured, hip, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	33
Wound, punctured, knee, "E" (XXV-183)	------	2	3	2	1	------	------	------	2	------	65
Wound, punctured, knee, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	17
Wound, punctured, knee, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	9
Wound, punctured, knee, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	33
Wound, punctured, leg, "E" (XXV-183)	------	4	1	4	------	------	------	------	1	------	74
Wound, punctured, leg, "F" (XXV-184)	------	2	------	2	------	------	------	------	------	------	6
Wound, punctured, leg, "H" (XXV-187)	------	1	1	1	------	------	------	------	1	------	9
Wound, punctured, leg, "I" (XXV-188)	------	1	------	1	------	------	------	------	------	------	0
Wound, punctured, lumbar region, "B" (XXV-198)	------	1	1	1	------	------	------	------	1	------	7
Wound, punctured, lung, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	17
Wound, punctured, multiple, "E" (XXV-183)	------	1	1	1	------	------	------	------	1	------	26
Wound, punctured, multiple, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	2
Wound, punctured, neck, "B" (XXV-197)	------	1	------	------	------	1	------	------	------	------	3
Wound, punctured, neck, "F" (XXV-184)	------	1	1	1	------	------	------	------	1	------	37
Wound, punctured, neck, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	4
Wound, punctured, neck, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	26
Wound, punctured, Scarpa's triangle, "B" (XXV-197)	------	1	------	------	------	1	------	------	------	------	0
Wound, punctured, shoulder, "E" (XXV-183)	------	1	1	------	------	------	------	------	1	1	104
Wound, punctured, thigh, "B" (XXV-198)	------	1	1	1	------	------	------	------	1	------	38
Wound, punctured, thigh, "E" (XXV-183)	------	4	3	4	------	------	------	------	3	------	104
Wound, punctured, thigh, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	3
Wound, punctured, thigh, "J" (XXV-202)	------	1	------	1	------	------	------	------	------	------	16
Wound, punctured, thigh "M" (XXV-202)	------	2	1	2	------	------	------	------	1	------	32
Wound, punctured, thorax, "E" (XXV-183)	------	1	------	1	------	------	------	------	------	------	15
Wound, punctured, toe, "F" (XXV-184)	------	1	------	1	------	------	------	------	------	------	5
Wound, punctured, toe, "H" (XXV-187)	------	1	------	1	------	------	------	------	------	------	5
Wound, punctured, wrist, "E" (XXV-183)	1	------	1	------	------	------	1	------	1	------	210
Wound, punctured, wrist, "M" (XXV-202)	------	1	------	1	------	------	------	------	------	------	5
POISONING											
Acetanilid, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	10
Alcohol, methyl, acute (XXVI-177)	------	3	3	2	------	1	------	------	3	------	21
Anæsthesia, ether, acute (XXVI-181)	------	1	------	------	1	------	------	------	------	------	0
Anæsthesia, procaine, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	9

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1914*—Continued

Diagnosis	Rem.	A.	RA.	D.	C.	DD.	IS.	R.	T.	Cont.	Days
POISONING—Continued											
Arsphenamine, acute, antisyphilitic (XXVI-177)	------	1	------	1	------	------	------	------	------	------	6
Aspirin, acute (XXV-177)	------	1	------	1	------	------	------	------	------	------	14
Atropine, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	5
Bay rum, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	0
Chlorine, acute (XXVI-181)	------	1	------	1	------	------	------	------	------	------	3
Chlorine, chronic (XXVI-181)	------	1	------	1	------	------	------	------	------	------	1
Ether, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	2
Face lotion, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	2
Food, animal, acute (bacterial toxin) (XXVI-175)	------	95	11	95	------	------	------	------	11	------	153
Food, fish, acute (bacterial toxin) (XXVI-175)	------	16	3	16	------	------	------	------	3	------	75
Formaldehyde, acute "A" (XXVI-165)	------	1	------	------	------	1	------	------	------	------	0
Fuel-oil gases, inhaled, acute (XXVI-181)	------	1	1	1	------	------	------	------	1	------	15
Gasoline, inhaled, acute (XXVI-181)	------	3	1	3	------	------	------	------	1	------	30
Hydrochloric acid (XXVI-177)	------	1	1	2	------	------	------	------	------	------	52
Illuminating gas (XXVI-181)	------	1	------	1	------	------	------	------	------	------	1
Iodine, acute "A" (XXVI-165)	------	4	4	4	1	------	------	------	3	------	47
Lead, acute (XXVI-177)	1	1	1	1	1	------	------	------	1	------	86
Lead, chronic (XXVI-67)	2	6	5	8	------	------	------	------	4	1	255
Mercuric chloride, acute "A" (XXVI-166)	------	6	4	3	1	2	------	------	4	------	85
Mercuric chloride, acute (XXVI-177)	1	1	------	------	1	------	------	------	------	1	26
Mercury compounds, antisyphilitic (XXVI-177)	------	4	1	3	1	------	------	------	1	------	24
Mercury salts, other, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	5
Mercurochrome, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	2
Morphine, acute, "A" (XXVI-165)	------	1	------	1	------	------	------	------	------	------	0
Neoarsphenamine, acute, antisyphilitic (XXVI-177)	1	22	10	18	4	------	------	------	10	1	452
Neoarsphenamine, chronic, antisyphilitic (XXVI-177)	1	2	5	1	1	------	2	------	4	------	163
Opium, acute, "A" (XXVI-165)	------	1	------	------	------	1	------	------	------	------	0
Opium, acute (XXVI-177)	------	3	------	1	------	2	------	------	------	------	21
Phenol, acute, "A" (XXVI-166)	------	2	------	------	------	2	------	------	------	------	0
Picric acid, chronic (XXVI-177)	------	1	2	1	1	------	------	------	1	------	37
Ricinus communis seeds, acute (XXVI-177)	------	4	6	4	1	------	------	------	5	------	67
Shellac, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	1
Strychnine, acute, "A" (XXVI-165)	------	1	------	------	------	1	------	------	------	------	0
Sulphuric acid, acute, battery fluid (XXVI-177)	------	1	1	1	------	------	------	------	1	------	30
Tobacco, chronic (XXVI-68)	------	1	------	1	------	------	------	------	------	------	9
Trinitrotoluene, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	4
Turpentine, acute (XXVI-177)	------	1	------	1	------	------	------	------	------	------	4
Vanilla extract, acute (XXVI-177)	------	1	1	1	------	------	------	------	1	------	13
Venom, acute, fish (XXVI-176)	------	12	3	12	------	------	------	------	3	------	64
Venom, acute, insect (XXVI-176)	------	4	2	4	------	------	------	------	2	------	22
Venom, acute, snake (XXVI-176)	------	1	1	1	------	------	------	------	1	------	3

TABLE 1.—*Detailed statement of diseases and injuries for the calendar year 1924*—Continued

SUMMARY

Summary and comparative rates with previous years	Entire service, calendar year 1924	Average, entire service, 10 years, 1914–1923
Average complement	119,280	178,089
Number of admissions	66,454	120,477
Rate per 1,000 of complement	557.15	654.06
Deaths	498	1,564
Rate per 1,000 of complement	4.18	6.13
Invalided from service	2,402	5,165
Rate per 1,000 of complement	20.14	26.56
Total number of sick days	1,319,387	2,188,139
Rate per 1,000 of complement	11,061.25	12,286.77
Total number of sick days in naval hospitals [1]	[2] 866.863	[3] 1,588,790
Rate per 1,000 of complement	7,267.46	[3] 9,604.28

[1] Sick days on hospital ships are not included hereunder. Sick days for the calendar year 1924: U. S. S. Mercy, 17,403; U. S. S. Relief, 49,080—total, 66,483.

[2] Includes 7,220 sick days for tuberculosis patients at the Naval Unit, U. S. Army Fitzsimmons General Hospital, Denver, Colo.; 5,609 sick days for insane patients at Napa State Hospital, Imola, Calif.; and 6,632 sick days for insane patients, St. Elizabeths Hospital, Washington, D. C.

[3] Previous 5 years, 1919–1923, inclusive.

Figures from previous years for the preparation of the summary are as follows:

Year	Average complement	Admissions	Rate	Deaths	Rate	Invalided from service	Rate	Sick days
1914	67,141	40,699	606.17	281	4.18	1,426	21.23	729,305
1915	68,075	44,743	657.26	305	4.47	1,272	18.68	776,203
1916	69,294	45,516	656.85	335	4.83	1,156	16.68	808,951
1917	245,580	131,357	534.88	1,072	4.36	5,063	20.61	1,954,278
1918	503,792	391,078	776.27	9,307	18.47	11,990	23.79	6,327,821
1919	298,774	201,978	676.02	1,762	5.90	15,517	51.94	4,423,204
1920	140,773	109,717	779.39	1,000	7.10	5,259	37.33	2,113,991
1921	148,861	93,136	625.65	712	4.78	4,854	32.61	1,875,948
1922	122,126	74,455	609.65	395	3.23	2,788	22.83	1,395,543
1923	116,565	72,093	618.55	472	4.05	2,330	19.99	1,476,152

TABLE 2.—*Table showing distribution of diseases and injuries among occupational admission rates, death and death rates, invalided from service*

Class No.	Class	Officers		Artificers				Miscellaneous force		
		Navy and Marine Corps	Midshipmen	Electricians	Engine room	Fireroom	All others	Clerical	Culinary	Hospital
	Average complement	9,212	2,100	5,140	6,188	13,619	3,341	3,590	7,116	3,766
1	Diseases of blood	5	------	1	1	1	1	2	------	2
	Rate per 1,000	*0.54*	------	*0.19*	*0.16*	*0.07*	*0.30*	*0.56*	------	*0.53*
2	Diseases of circulatory system	46	5	15	26	89	7	11	27	30
	Rate per 1,000	*4.99*	*2.38*	*2.92*	*4.20*	*6.54*	*2.10*	*3.06*	*3.79*	*7.97*
3	Diseases of the disgestive system	434	128	152	256	528	112	133	185	300
	Rate per 1,000	*47.11*	*60.95*	*29.57*	*41.37*	*38.77*	*33.52*	*37.05*	*25.99*	*79.66*
4	Diseases of ductless glands and spleen	5	------	2	5	9	2	1	4	1
	Rate per 1,000	*0.54*	------	*0.39*	*0.81*	*0.66*	*0.60*	*0.28*	*0.56*	*0.27*
5	Diseases of ear, nose, and throat	359	202	142	225	568	86	109	125	360
	Rate per 1,000	*38.97*	*96.19*	*27.63*	*36.36*	*41.71*	*25.74*	*30.36*	*17.57*	*95.59*
6	Diseases of eye and adnexa	41	25	23	54	101	15	17	31	35
	Rate per 1,000	*4.45*	*11.90*	*4.47*	*8.73*	*7.42*	*4.49*	*4.74*	*4.36*	*9.29*
7	Diseases of genito-urinary system (non-venereal).	74	18	50	79	178	26	39	59	48
	Rate per 1,000	*8.03*	*8.57*	*9.73*	*12.77*	*13.07*	*7.78*	*10.86*	*8.29*	*12.75*
8	Communicable diseases transmissible by oral and nasal dicharges	220	148	85	119	607	38	68	208	155
		540	424	310	409	1,328	206	204	449	557
	Rate per 1,000	*23.88*	*70.48*	*16.54*	*19.23*	*44.57*	*11.37*	*18.94*	*29.23*	*41.16*
		58.62	*201.90*	*60.31*	*66.09*	*97.52*	*61.66*	*56.82*	*63.10*	*147.90*
9	Communicable diseases transmissible by intestinal discharges.	13	------	4	5	7	------	1	4	11
	Rate per 1,000	*1.41*	------	*0.78*	*0.81*	*0.51*	------	*0.28*	*0.56*	*2.92*
10	Communicable diseases transmissible by insects and other arthropods.	117	1	33	74	113	30	31	54	86
	Rate per 1,000	*12.70*	*0.48*	*6.42*	*11.96*	*8.30*	*8.98*	*8.64*	*7.59*	*22.84*
11	Tuberculosis (all forms)	13	3	17	24	52	7	14	35	28
	Rate per 1,000	*1.41*	*1.43*	*3.31*	*3.88*	*3.82*	*2.10*	*3.90*	*4.92*	*7.43*
12	Venereal diseases	39	5	623	917	2,947	426	381	862	282
	Rate per 1,000	*4.23*	*2.38*	*121.20*	*148.19*	*216.40*	*127.51*	*106.13*	*121.14*	*74.88*
13	Other diseases of infective type	131	95	86	161	438	59	50	144	142
	Rate per 1,000	*14.22*	*45.24*	*16.73*	*26.02*	*32.16*	*17.66*	*13.93*	*20.24*	*37.71*
14	Diseases of lymphatic system	10	7	17	50	105	23	17	40	30
	Rate per 1,000	*1.09*	*3.33*	*3.31*	*8.08*	*7.71*	*6.88*	*4.74*	*5.62*	*7.97*
15	Diseases of mind	43	1	25	26	82	12	17	15	23
	Rate per 1,000	*4.67*	*0.48*	*4.86*	*4.20*	*6.02*	*3.59*	*4.74*	*2.11*	*6.11*
16	Diseases of motor system	79	21	32	68	167	21	23	57	54
	Rate per 1,000	*8.58*	*10.00*	*6.23*	*10.99*	*12.26*	*6.29*	*6.41*	*8.01*	*14.34*
17	Diseases of nervous system	47	6	11	25	33	10	5	19	12
	Rate per 1,000	*5.10*	*2.86*	*2.14*	*4.04*	*2.42*	*2.99*	*1.39*	*2.67*	*3.19*
18	Diseases of respiratory system	44	1	33	39	81	8	22	27	47
	Rate per 1,000	*4.78*	*0.48*	*6.42*	*6.30*	*5.95*	*2.39*	*6.13*	*3.79*	*12.48*
19	Diseases of skin, hair, and nails	38	36	32	46	114	27	27	33	35
	Rate per 1,000	*4.12*	*17.14*	*6.23*	*7.43*	*8.37*	*8.08*	*7.52*	*4.64*	*9.29*
20	Herniæ	26	4	13	33	67	20	7	21	20
	Rate per 1,000	*2.82*	*1.90*	*2.53*	*5.33*	*4.92*	*5.97*	*1.95*	*2.95*	*5.31*
21	Miscellaneous diseases and conditions	112	25	41	67	182	31	30	57	54
	Rate per 1,000	*12.16*	*11.90*	*7.98*	*10.83*	*13.36*	*9.28*	*8.36*	*8.01*	*14.34*
22	Parasites (fungi and certain animal parasites).	10	32	24	24	135	6	10	34	29
	Rate per 1,000	*1.09*	*15.24*	*4.67*	*3.88*	*9.91*	*1.80*	*2.79*	*4.78*	*7.70*
23	Tumors	19	5	14	8	19	5	6	8	11
	Rate per 1,000	*2.06*	*2.38*	*2.72*	*1.29*	*1.40*	*1.50*	*1.67*	*1.12*	*2.92*
24	Female diseases and conditions	------	------	------	------	------	------	------	------	------
	Rate per 1,000	------	------	------	------	------	------	------	------	------
27	Dental diseases and conditions	39	2	7	14	33	4	8	12	15
	Rate per 1,000	*4.23*	*0.95*	*1.36*	*2.26*	*2.42*	*1.20*	*2.23*	*1.69*	*3.98*
28a	Total for diseases	2,504	1,194	1,792	2,755	7,985	1,182	1,233	2,511	2,367
	Rate per 1,000	*271.81*	*568.57*	*348.63*	*445.21*	*586.27*	*353.78*	*343.45*	*352.85*	*628.51*
25	Wounds and other injuries	353	182	224	393	925	168	110	223	219
	Rate per 1,000	*38.32*	*86.67*	*43.58*	*63.51*	*67.92*	*50.28*	*30.64*	*31.20*	*57.15*
26	Poisons	15	4	12	16	23	3	6	6	7
	Rate per 1,000	*1.63*	*1.90*	*2.33*	*2.59*	*1.69*	*0.90*	*1.67*	*0.84*	*1.86*
28b	Totals for all classes	2,872	1,380	2,028	3,164	8,933	1,353	1,349	2,739	2,593
	Rate per 1,000	*311.76*	*657.14*	*394.55*	*511.30*	*655.88*	*404.97*	*375.76*	*384.88*	*688.52*
29	Deaths	47	3	29	35	39	13	14	34	14
	Rate per 1,000	*5.10*	*1.43*	*5.64*	*5.66*	*2.86*	*3.89*	*3.90*	*4.78*	*3.72*
30	Suicides	5	------	1	1	2	3	1	2	2
	Rate per 1,000	*0.54*	------	*0.19*	*0.16*	*0.15*	*0.90*	*0.28*	*0.28*	*0.53*
31	Invalided from service	65	9	53	85	350	30	45	68	91
	Rate per 1,000	*7.06*	*4.29*	*10.31*	*13.14*	*25.70*	*8.98*	*12.53*	*9.56*	*24.16*
32	Total sick days	72,995	15,887	38,282	74,922	172,085	27,342	27,409	61,531	48,510

groups of the personnel for the calendar year 1924 by classified admissions and invalided rates, suicides and suicide rates, and sick days

Miscellaneous force, continued					Seamen branch			Totals for all occupations					
Marines	Musicians	Prisoners	Nurses (female)	Aviation	Apprentices	Ordnance	All others	Number	Deaths	Invalided from service	Sick days	Non-effectives, ratios per 1,000	Class No.
19,113	2,100	926	487	1,894	3,348	3,436	33,904	119,280	------	------	----------		
9	-------	-------	1	-------	1	1	6	31	2	4	2,219		1
0.47	-------	-------	*2.05*	-------	*0.30*	*0.29*	*0.18*	*0.26*	*0.02*	*0.03*	----------	*0.05*	
147	3	4	1	9	34	9	161	624	29	202	33,067		2
7.69	*1.43*	*4.32*	*2.05*	*4.75*	*10.16*	*2.62*	*4.75*	*5.23*	*0.24*	*1.69*	----------	*0.76*	
1,100	68	70	22	56	139	114	1,313	5,110	26	71	118,309	------	3
57.55	*32.38*	*75.59*	*45.17*	*29.57*	*41.52*	*33.18*	*38.73*	*42.84*	*0.22*	*0.60*	----------	*2.72*	
15	1	-------	2	-------	2	1	17	67	3	32	6,514	------	4
0.78	*0.48*	-------	*4.11*	-------	*0.60*	*0.29*	*0.50*	*.56*	*0.03*	*0.27*	----------	*0.15*	
834	54	30	32	73	318	86	1,181	4,784	5	171	103,469	------	5
43.63	*25.71*	*32.40*	*65.71*	*38.54*	*94.98*	*25.03*	*34.84*	*40.11*	*0.04*	*1.43*	----------	*2.38*	
215	14	3	2	16	41	11	213	857	------	104	27,415	------	6
11.25	*6.67*	*3.24*	*4.11*	*8.45*	*12.25*	*3.20*	*6.28*	*7.19*	------	*0.87*	----------	*0.63*	
257	24	10	1	16	66	24	462	1,431	20	64	36,661	------	7
13.45	*11.43*	*10.80*	*2.05*	*8.45*	*19.71*	*6.98*	*13.63*	*12.00*	*0.17*	*0.54*	----------	*0 84*	
619	47	52	7	42	452	48	1,389	4,305	47	1	74,415	------	
1,771	130	124	25	91	994	192	3,514	112.68	6	------	88,882	------	8
32.39	*22.38*	*56.16*	*14.37*	*22.18*	*135.01*	*13.97*	*40.96*	*36.08*	*0.39*	------	----------	*1.71*	
92.66	*61.90*	*133.91*	*51.33*	*48.05*	*296.90*	*55.88*	*103.66*	*94.47*	*0.05*	*0.01*	----------	*2.04*	
114	2	1	------	-------	1	------	21	184	1	------	4,729	------	9
5.96	*0.95*	*1.08*	------	-------	*0.30*	------	*0.62*	*1.54*	*0.01*	------	----------	*0.11*	
867	19	1	6	10	35	24	275	1,776	4	------	19,390	------	10
45.36	*9.05*	*1.08*	*12.32*	*5.28*	*10.45*	*6.98*	*8.11*	*14.89*	*0.03*	------	----------	*0.45*	
30	3	7	------	6	3	10	75	327	20	283	38,677	------	11
1.57	*1.43*	*7.56*	------	*3.17*	*0.90*	*2.91*	*2.21*	*2.74*	*0.17*	*2.37*	----------	*0.89*	
2,437	206	23	------	130	262	415	6,454	16,409	15	121	214,984	------	12
127.50	*98.10*	*24.84*	------	*68.64*	*78.26*	*120.78*	*190.39*	*137.57*	*0.13*	*1.01*	----------	*4.94*	
734	29	28	6	45	219	61	1,070	3,498	7	30	61,407	------	13
38.40	*13.81*	*30.24*	*12.32*	*23.76*	*65.41*	*17.75*	*31.57*	*29.33*	*0.06*	*0.24*	----------	*1.41*	
170	7	5	1	8	13	15	206	724	2	5	24,038	------	14
8.89	*3.33*	*5.40*	*2.05*	*4.22*	*3.88*	*4.37*	*6.08*	*6.07*	*0.02*	*0.04*	----------	*0.55*	
169	10	11	6	5	28	10	174	657	1	407	59,089	------	15
8.84	*4.76*	*11.88*	*12.32*	*2.64*	*8.36*	*2.91*	*5.13*	*5.51*	*0.01*	*3.71*	----------	*1.36*	
333	20	8	5	13	49	24	362	1,336	------	311	60,606	------	16
17.42	*9.52*	*8.64*	*10.27*	*6.86*	*14.64*	*6.98*	*10.68*	*11.20*	------	*2.61*	----------	*1.39*	
70	2	3	3	4	45	5	80	379	7	132	21,248	------	17
3.66	*0.95*	*3.24*	*6.16*	*2.11*	*13.44*	*1.46*	*2.36*	*3.18*	*0.06*	*1.11*	----------	*0.49*	
107	3	8	8	6	23	11	163	631	3	139	36,989	------	18
5.60	*1.43*	*8.64*	*16.43*	*3.17*	*6.87*	*3.20*	*4.81*	*5.29*	*0.03*	*1.17*	----------	*0.85*	
329	18	7	3	11	64	19	309	1,148	------	32	30,418	------	19
17.21	*8.57*	*7.56*	*6.16*	*5.81*	*19.12*	*5.53*	*9.12*	*9.62*	------	*0.27*	----------	*0.70*	
82	5	3	------	7	48	18	136	510	------	39	38,549	------	20
4.29	*2.38*	*3.24*	------	*3.70*	*14.34*	*5.24*	*4.01*	*4.28*	------	*0.33*	----------	*0.66*	
375	12	19	5	13	156	26	310	1,515	7	107	39,777	------	21
19.62	*5.71*	*20.52*	*10.27*	*6.86*	*46.60*	*7.57*	*9.15*	*12.70*	*0.06*	*0.90*	----------	*0.91*	
192	15	3	------	7	328	11	212	1,072	------	------	15,021	------	22
10.05	*7.14*	*3.24*	------	*3.70*	*97.97*	*3.20*	*6.25*	*8.99*	------	------	----------	*0.35*	
41	5	3	3	1	5	8	59	220	7	12	8,707	------	23
2.15	*2.38*	*3.24*	*6.16*	*0.53*	*1.49*	*2.33*	*1.74*	*1.84*	*0.06*	*0.10*	----------	*0.20*	
--------	-------	-------	2	-------	--------	------	--------	2	------	------	24	------	24
--------	-------	-------	*4.11*	-------	--------	------	--------	*0.02*	------	------	----------	*0.001*	
58	1	-------	2	3	13	6	79	296	------	1	7,585	------	27
3.03	*0.48*	-------	*4.11*	*1.58*	*3.88*	*1.75*	*2.33*	*2.48*	------	*0.01*	----------	*0.17*	
11,075	698	423	143	572	3,339	1,149	18,241	59,161	213	2,267	1,162,189	------	28a
579.44	*332.38*	*456.80*	*293.63*	*302.00*	*997.33*	*334.40*	*537.93*	*495.98*	*1.79*	*19.01*	----------	*26.70*	
1,236	51	65	10	176	204	195	2,344	7,077	275	133	155,379	------	25
64.67	*24.29*	*70.19*	*20.53*	*92.92*	*60.93*	*56.75*	*69.15*	*59.33*	*2.31*	*1.12*	----------	*3.57*	
25	-------	1	1	1	--------	10	86	216	10	2	1,819	------	26
1.31	-------	*1.08*	*2.05*	*0.53*	--------	*2.91*	*2.54*	*1.81*	*0.08*	*0.02*	----------	*0.04*	
12,336	749	489	154	749	3,543	1,354	20,671	66,456	498	2,402	1,319,387	------	28b
645.42	*356.67*	*528.08*	*316.22*	*395.46*	*1,058.26*	*394.07*	*609.59*	*557.14*	*4.18*	*20.14*	----------	*30.31*	
76	6	5	------	12	14	17	140	498	------	------	----------	------	29
3.98	*2.86*	*5.40*	------	*6.34*	*4.18*	*4.95*	*4.13*	*4.18*	------	------	----------	------	
9	2	-------	------	-------	--------	3	5	36	------	------	----------	------	30
0.47	*0.95*	-------	------	-------	--------	*0.87*	*0.15*	*0.30*	------	------	----------	------	
569	34	12	2	15	231	26	717	2,402	------	------	----------	------	31
29.77	*16.19*	*12.96*	*4.11*	*7.92*	*69.00*	*7.57*	*21.15*	*20.14*	------	------	----------	------	
257,812	14,079	12,932	4,729	15,492	70,782	29,859	374,739	1,319,387	------	------	----------	------	32

DEATHS

TABLE 3.—*Casualties in the Navy and Marine Corps during the calendar year 1924*

Cause		Number	Navy		Marine Corps		Nurse Corps
Primary	Secondary		Officers	Men	Officers	Men	Nurses
Abscess, liver		1		1			
Abscess, lung		2		2			
Abscess, peritonsillar	Endocarditis, acute	1		1			
Do	Pneumonia, broncho	1		1			
Alcoholism, acute		4		3		1	
Do	Myocarditis, chronic	1				1	
Alcoholism, chronic		1		1			
Anemia, pernicious		1		1			
Aneurysm, aorta		1		1			
Aneurysm, cerebrum	Hemorrhage, cerebral	1		1			
Angina, Ludwig's	Septicemia	1		1			
Angina pectoris		3	1	1		1	
Angina, Vincent's		1				1	
Appendicitis, acute		2				2	
Do	Embolism, lung	1	1				
Do	Infarction, lung	1		1			
Do	Peritonitis, general, acute	3		2		1	
Do	Pneumonia, lobar	1		1			
Do	Poisoning, anesthesia, ether.	2		2			
Appendicitis, chronic	Dilatation, cardiac, acute	1		1			
Arteriosclerosis, general		1				1	
Atrophy, liver, yellow, acute		1		1			
Caisson disease, "U"		1		1			
Calculus, kidney	Septicemia	1	1				
Carbuncle, nose	Septicemia	1		1			
Carcinoma, intestines	Peritonitis, general, acute	1	1				
Carcinoma, pylorus	Hemorrhage, stomach, postoperative.	1		1			
Cellulitis, face, neck, head	Septicemia	1		1			
Cerebrospinal fever		2		2			
Cirrhosis, liver, hypertrophic		1		1			
Cyst, pancreas	Peritonitis, general, acute	1		1			
Diabetes mellitus		1				1	
Do	Pneumonia, broncho	1		1			
Dilatation, cardiac, acute		6	1	4		1	
Do	Septicemia	1		1			
Diphtheria		1				1	
Dysentery, bacillary		1		1			
Embolism, lung		1		1			
Endocarditis, acute		2		1		1	
Enlargement, prostate	Pyelonephritis	1		1			
Epilepsy		1		1			
Fibroma, cerebellopontile angle		1		1			
Furunculosis	Septicemia	1		1			
Gastroenteritis, acute		1		1			
Do	Peritonitis, general, acute	1		1			
Goiter, exophthalmic		1		1			
Hemorrhage, cerebral		4	2	2			
Influenza	Pneumonia, lobar	1		1			
Leukemia		1		1			
Malaria		4		2		2	
Measles	Pleurisy, suppurative	1		1			
Do	Pneumonia, broncho	5		5			
Meningitis, cerebrospinal		1		1			
Myocarditis, acute		1		1			
Myocarditis, chronic		3	1	1		1	
Do	Dilatation, cardiac, acute	3		1		2	
Nephritis, acute		5	1	4			
Do	Ulcer, duodenum	1		1			
Nephritis, chronic		9	2	5		2	
Do	Uremia	1			1		
Obstruction, intestinal, from internal causes.		1		1			
Otitis media, chronic	Abscess of lung	1		1			
Pancreatitis, acute		1	1				
Do	Dilatation, cardiac, acute	1		1			
Pericarditis		2		2			
Peritonitis, general, acute		1				1	
Pleurisy, suppurative		1				1	
Pneumonia, broncho		4	1	3			
Do	Pleurisy, suppurative	1		1			

TABLE 3.—*Casualties in the Navy and Marine Corps during the calendar year 1924*—Continued

Cause		Number	Navy		Marine Corps		Nurse Corps
Primary	Secondary		Officers	Men	Officers	Men	Nurses
Pneumonia, lobar		25	1	23		1	
Do	Pleurisy, suppurative	1		1			
Do	Rupture, nontraumatic, aorta.	1		1			
Do	Septicemia	1				1	
Poliomyelitis, anterior, acute		2		1		1	
Psychosis intoxication, alcoholic		1				1	
Pyelitis, acute	Septicemia	1		1			
Pyelonephritis		2		2			
Rheumatic fever	Cellulitis, submaxillary and parotid region.	1		1			
Do	Endocarditis, acute	1		1			
Sarcoma, testicle		1		1			
Scarlet fever	Dilatation, cardiac, acute	1		1			
Septicemia		1		1			
Smallpox		1		1			
Status lymphaticus		2		2			
Syphilis	Bronchitis, acute	1		1			
Do	Dementia paralytica	6	1	2		3	
Do	Encephalitis	1				1	
Do	Meningitis, cerebral	2		1		1	
Do	Poisoning, arsphenamine, acute.	1		1			
Do	Poisoning, neoarsphenamine, acute.	2		2			
Do	Psychosis, with other diseases or conditions, general paresis.	1		1			
Do	Septicemia following arsphenamine poisoning.	1		1			
Tetanus	Wound, punctured, hand	1				1	
Do	Wound, lacerated, forearm	1		1			
Thrombosis, coronary artery		1				1	
Tonsillitis, acute	Pneumonia, lobar	2		2			
Do	Septicemia	3		2		1	
Tonsillitis, chronic	Hemorrhage, tonsillar artery.	1				1	
Tuberculosis, pulmonary, acute general miliary.		2		1		1	
Tuberculosis, pulmonary, acute pneumonic.		2		2			
Tuberculosis, pulmonary, chronic, active.		10		9		1	
Do	Abscess of brain	1		1			
Do	Hemorrhage, lung	1		1			
Do	Meningitis, cerebral	1		1			
Do	Tuberculosis, pulmonary, acute pneumonic.	1		1			
Do	Tuberculosis, renal	1		1			
Tuberculosis, meninges and cerebrum.		1		1			
Tumor, benign, mixed, brain		1		1			
Tumor, malignant, mixed, intestines.		1	1				
Ulcer, duodenum		2				2	
Do	Hemorrhage, intestinal	1	1				
Do	Obstruction, intestinal, from spastic or paralytic causes.	1		1			
Do	Shock	1		1			
Ulcer, stomach	Shock, surgical	1		1			
Valvular heart disease, combined lesions, aortic and mitral.		1		1			
Do	Poisoning, carbon tetrachloride, acute, ascariasis treatment.	1		1			
Valvular heart disease, mitral insufficiency.		1		1			
Total for diseases		213	17	157	1	38	
Asphyxiation "E"		12	2	10			
Asphyxiation "M"		2		1		1	
Avulsion, face and anterior portion head, "I-R"		1	1				

TABLE 3.—*Casualties in the Navy and Marine Corps during the calendar year 1924*—Continued

Cause		Number	Navy		Marine Corps		Nurse Corps
Primary	Secondary		Officers	Men	Officers	Men	Nurses
Burn, head and face, "E"		3		3			
Burn, multiple, "C"		1		1			
Burn, multiple, "E"		33	1	32			
Burn, multiple, "H"		2		2			
Burn, multiple, "H-S"		1		1			
Burn, multiple, "I-R"		6	2		2	2	
Burn, multiple, "L"		18	1	15		2	
Contusion, jaw, "B"	Compression, cerebral blood clot.	1		1			
Crush, chest, "I"		1		1			
Crush, multiple, "I"		1		1			
Diagnosis undetermined, "M"	Probable suicide	1				1	
Drowning, "A"		1		1			
Do	Psychosis, manic depressive.	1			1		
Drowning, "D"		47	4	37		6	
Drowning, "D-U"		1		1			
Drowning, "H"		4		4			
Drowning, "I"		2	1	1			
Drowning, "I-R"		9	4	4		1	
Drowning, "J"		14		11		3	
Electric shock, injury from, "H"		1		1			
Fracture, compound, frontal bone, "I".	Hemorrhage, traumatic	1		1			
Fracture, compound, skull, "G"		3	1	2			
Fracture, compound, skull, "I"		5		4		1	
Fracture, compound, skull, "I-R"		2		2			
Fracture, compound, skull, "M"	Meningitis, cerebral	1		1			
Fracture, compound, temporal bone, "I"		1				1	
Fracture, compound, tibia and fibula, "I-R".	Gangrene, infective	1		1			
Fracture, simple, cervical vertebra, "J."		1		1			
Fracture, simple, pelvis, "I"		1				1	
Fracture, simple, skull, "G"		5		4		1	
Fracture, simple, skull, "I"		3		3			
Fracture, simple, skull, "I-R"		1		1			
Heat exhaustion, "H"		1		1			
Injuries, multiple, extreme, "G"		1		1			
Do	Intracranial injury	1		1			
Injuries, multiple, extreme, "H"	Shock and hemorrhage	1		1			
Do	Asphyxiation, inspirated vomitus.	1				1	
Injuries, multiple, extreme, "I"		17	1	15		1	
Do	Shock and hemorrhage	1				1	
Do	Hemorrhage	1		1			
Injuries, multiple, extreme, "I-R"		10	7	3			
Do	Meningitis, cerebrospinal	1		1			
Injuries, multiple, extreme, "M"		1		1			
Intracranial injury, "I"		2		2			
Intracranial injury, "M"	Edema, lung	1		1			
Intraspinal injury, "J"		1		1			
Do	Pneumonia, broncho	1		1			
Rupture, traumatic, intestine, "I"	Hemorrhage, traumatic	1				1	
Do	Peritonitis, general, acute	1		1			
Rupture, traumatic, intestine, "M"		1		1			
Rupture, traumatic, kidney, "M"		1		1			
Rupture, traumatic, lung, "I"		1		1			
Strangulation, neck, "A"		5		4		1	
Wound, incised, throat, "A"	Psychosis, manic depressive.	3		3			
Wound, laccrated, neck, larynx and trachea, "I."		1		1			
Wound, multiple, "B"		1		1			
Wound, multiple, "I"	Hemorrhage, traumatic	1		1			
Wound, multiple, "M"		1		1			
Wound, multiple, abdomen and chest, "I-R."		1		1			
Wound, penctrating, brain, "A"	Psychosis, manic depressive.	9		6		3	
Wound, penetrating, brain, "B"		1		1			
Wound, penetrating, brain, "E"		1		1			
Wound, penetrating, multiple, "E"		1		1			
Wound, perforated, brain, "A"	Psychosis, manic depressive.	2				2	

TABLE 3.—*Casualties in the Navy and Marine Corps during the calendar year 1924*—Continued

Cause		Number	Navy		Marine Corps		Nurse Corps
Primary	Secondary		Officers	Men	Officers	Men	Nurses
Wound, perforated, chest, "A"	Psychosis, manic depression.	2	------	------	1	1	------
Wound, perforated, heart, "A"	------do------	1	1	------	------	------	------
Wound, punctured, abdomen, "B"		1	------	------	------	1	------
Wound, punctured, chest, "A"	Psychosis, manic depressive.	5	------	3	------	2	------
Wound, punctured, chest, "E"		2	------	------	------	2	------
Wound, punctured, chest, "M"		1	------	------	------	1	------
Wound, punctured, neck, "B"		1	------	1	------	------	------
Wound, punctured, Scarpa's triangle, "B."		1	------	------	------	1	------
Total for injury		275	26	207	4	38	0
Poisoning, alcohol, methyl, acute		1	------	1	------	------	------
Poisoning, formaldehyde, acute, "A"		1	------	1	------	------	------
Poisoning, mercuric chloride, acute, "A."	Hypochondriasis	1	1	------	------	------	------
Do	Psychosis, manic depressive.	1	1	------	------	------	------
Poisoning, opium, acute		2	------	2	------	------	------
Poisoning, opium, acute, "A"		1	------	1	------	------	------
Poisoning, phenol, acute, "A"		2	------	2	------	------	------
Poisoning, strychnine, acute, "A"		1	------	1	------	------	------
Total for poisonings		10	2	8	0	0	0

INVALIDED FROM THE SERVICE

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*

Disability	Condition existed prior to enlistment	Number	Navy		Marine Corps		Nurse Corps
			Officers	Men	Officers	Men	Nurses
Abscess of liver	------	1	------	------	------	1	------
Abscess of lung	------	1	------	------	------	1	------
Abscess, subphrenic	------	1	------	------	------	1	------
Absence, acquired	4	31	------	24	------	7	------
Absence, congenital	1	1	------	1	------	------	------
Acne, vulgaris, multiple	------	1	------	1	------	------	------
Adenoma	------	1	------	1	------	------	------
Adhesions	8	23	------	19	------	4	------
Albuminuria	------	3	1	1	------	1	------
Alcoholism, chronic	1	1	------	1	------	------	------
Amblyopia	1	2	------	2	------	------	------
Amputation stump	1	4	------	4	------	------	------
Anemia, splenic	------	1	------	1	------	------	------
Aneurysm, aorta	------	1	------	1	------	------	------
Angioma, hand	1	1	------	1	------	------	------
Angioneurotic edema	1	1	------	1	------	------	------
Ankylosis	3	11	------	8	------	3	------
Anomaly of form	2	2	------	2	------	------	------
Appendicitis, acute	------	1	------	1	------	------	------
Appendicitis, chronic	------	1	------	1	------	------	------
Arterial hypertension	1	2	------	1	------	1	------
Arteriosclerosis, general	------	2	------	1	------	1	------
Arthritis, acute	1	4	------	2	------	2	------
Arthritis, chronic	14	60	1	46	1	12	------
Asthma	7	17	------	13	------	4	------
Astigmatism	12	15	------	8	------	7	------
Atrophy	2	9	------	8	------	1	------
Blindness, bilateral	1	2	------	2	------	------	------
Blindness, unilateral	------	1	------	1	------	------	------
Bronchitis, chronic	30	86	------	62	------	24	------

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*—Continued

Disability	Condition existed prior to enlistment	Number	Navy		Marine Corps		Nurse Corps
			Officers	Men	Officers	Men	Nurses
Bubo, inguinal (nonvenereal)	------	1	------	1	------	------	--------
Bursitis, chronic	------	3	------	2	------	1	--------
Caisson disease	1	1	------	1	------	------	--------
Calculus, kidney	------	1	------	1	------	------	--------
Calculus, ureter	1	1	------	1	------	------	--------
Callosity	1	1	------	------	------	1	--------
Carcinoma, colon	------	1	------	------	------	1	--------
Cardiac arrhythmia, extra systole	1	3	------	2	------	1	--------
Cardiac disorder, functional	8	10	------	10	------	------	--------
Cataract	1	6	1	4	------	1	--------
Cellulitis	------	3	------	3	------	------	--------
Chancroid	------	1	------	1	------	------	--------
Cholecystitis, chronic	1	3	------	2	------	1	--------
Chondroma, rib	------	1	------	------	------	1	--------
Chorea	1	4	------	4	------	------	--------
Choroiditis	1	11	------	6	------	5	--------
Cicatrix, skin	3	5	------	3	------	2	--------
Clavus	------	1	------	1	------	------	--------
Colitis, chronic	------	3	1	------	------	2	--------
Conjunctivitis, catarrhal	1	3	------	3	------	------	--------
Conjunctivitis, follicular	1	1	------	1	------	------	--------
Conjunctivitis, staphylococcus	1	1	------	1	------	------	--------
Constipation	1	4	------	3	------	1	--------
Constitutional psychopathic inferiority without psychosis	58	64	------	42	------	22	--------
Constitutional psychopathic states, criminalism	1	1	------	1	------	------	--------
Constitutional psychopathic states, emotional instability	13	16	------	9	------	7	--------
Constitutional psychopathic states, inadequate personality	13	15	------	12	------	3	--------
Constitutional psychopathic states, paranoid personality	2	3	------	1	------	2	--------
Constitutional psychopathic states, sexual psychopathy	3	4	------	3	------	1	--------
Contracture	6	11	------	8	------	3	--------
Coxa vara	------	1	------	1	------	------	--------
Curvature, spine	1	3	1	1	------	1	--------
Cystitis (nonvenercal), chronic	------	1	------	------	1	------	--------
Dacryocystitis	------	1	------	1	------	------	--------
Deafness, bilateral	1	9	2	6	1	------	--------
Deafness, unilateral	3	5	------	3	------	2	--------
Defective physical development	3	3	------	3	------	------	--------
Deformity, acquired	12	15	------	8	------	7	--------
Dementia paralytica	6	8	------	5	------	3	--------
Dementia precox	46	133	1	95	------	37	--------
Dermatitis, exfoliativa	------	1	------	1	------	------	--------
Detachment, retina	------	1	------	------	------	1	--------
Deviation, nasal septum	1	1	------	1	------	------	--------
Diabetes mellitus	1	15	2	12	------	1	--------
Drug addiction	2	3	------	3	------	------	--------
Eczema	------	7	------	6	------	1	--------
Effort syndrome	8	14	------	11	------	3	--------
Embolism, cerebral	------	1	------	1	------	------	--------
Emphysema, pulmonary	------	1	------	------	------	1	--------
Encephalitis, lethargic	------	3	------	3	------	------	--------
Endocarditis, chronic	1	8	------	8	------	------	--------
Enuresis	7	9	------	9	------	------	--------
Epilepsy	53	67	------	53	------	14	--------
Epilepsy, Jacksonian	4	4	------	3	------	1	--------
Exuberant callus	1	1	------	1	------	------	--------
Fistula in ano	1	2	------	1	------	1	--------
Fistula, unclassified	2	5	------	5	------	------	--------
Flat foot	73	117	4	57	------	56	--------
Floating cartilage in joint, knee	1	1	------	1	------	------	--------
Gastritis, chronic	7	26	------	18	------	8	--------
Gastroduodenitis	------	1	1	------	------	------	--------
Gastroptosis	2	4	------	3	------	1	--------
Genu valgum	1	1	------	------	------	1	--------
Glioma, brain	------	1	------	1	------	------	--------
Goiter	3	6	------	4	------	2	--------
Goiter, exophthalmic	1	5	------	3	------	2	--------
Gonococcus infection, joint	6	15	------	12	------	3	--------
Gonococcus infection, epididymis	1	2	------	2	------	------	--------
Gonococcus infection, prostate	2	3	------	1	------	2	--------
Gonococcus infection, urethra	40	51	------	38	------	13	--------
Hammer-toe	4	4	------	2	------	2	--------
Hemiplegia, old	------	2	------	1	------	1	--------
Hemophilia	2	2	------	2	------	------	--------

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*—Continued

Disability	Condition existed prior to enlistment	Number	Navy		Marine Corps		Nurse Corps
			Officers	Men	Officers	Men	Nurses
Hemorrhage, cerebral	------	2	------	2	------	------	--------
Hemorrhage, retina	------	1	------	1	------	------	--------
Hernia, femoral	------	1	------	------	------	1	--------
Hernia, inguinal	13	30	------	25	------	5	--------
Hernia, lumbar	1	1	------	1	------	------	--------
Hernia, recurrent, after operation	------	3	1	2	------	------	--------
Hernia, ventral	1	4	------	3	------	1	--------
Hernia, tendon, external malleolus	1	1	------	------	------	1	--------
Hydrocele, tunica vaginalis	1	2	------	1	------	1	--------
Hydronephrosis	1	2	------	2	------	------	--------
Hypermetropia	7	7	------	7	------	------	--------
Hyperthyroidism	1	4	------	4	------	------	--------
Hypertrophy, bone	2	3	------	2	------	1	--------
Hypochondriasis	1	1	------	1	------	------	--------
Impetigo herpetiformis	------	1	------	1	------	------	--------
Insufficiency, ocular muscle	6	9	1	7	------	1	--------
Iridocyclitis	------	1	------	1	------	------	--------
Keloid, abdomen and hand	------	1	------	------	------	1	--------
Laryngitis, chronic	1	6	------	5	------	1	--------
Leprosy	------	2	------	2	------	------	--------
Leukemia	------	1	------	1	------	------	--------
Loss of substance of, parietal bone	1	1	------	------	------	1	--------
Lupus erythematosus	------	1	------	------	1	------	--------
Lymphadenitis	1	2	------	2	------	------	--------
Malformation, congenital	8	8	------	7	------	1	--------
Mastoiditis, acute	------	1	------	1	------	------	--------
Mastoiditis, chronic	------	6	------	4	------	2	--------
Mental deficiency, moron	11	11	------	8	------	3	--------
Metatarsalgia	------	1	------	------	------	1	--------
Myocarditis, chronic	31	54	2	48	------	3	1
Myopia	4	9	1	7	------	1	--------
Myositis, chronic	2	2	------	1	------	1	--------
Nephritis, acute	1	3	------	3	------	------	--------
Nephritis, chronic	3	29	3	22	------	4	--------
Nephroptosis	------	3	------	2	------	1	--------
Neuralgia	------	1	------	1	------	------	--------
Neuritis, multiple	------	2	------	2	------	------	--------
Neuritis, optic	3	4	------	3	------	1	--------
Neuritis, brachial nerve	------	1	------	------	------	1	--------
Neuritis, sciatic nerve	3	7	1	5	------	1	--------
Neuroretinitis	------	1	------	1	------	------	--------
Neurosis, traumatic	5	13	------	7	------	6	--------
Nevus, ankle	1	1	------	1	------	------	--------
Opacity, cornea	1	4	1	3	------	------	--------
Opacity, vitreous humor	1	1	------	------	------	1	--------
Ophthalmoplegia	------	1	------	------	------	1	--------
Orchitis (nonvenereal), chronic	1	1	------	1	------	------	--------
Osteoma	2	6	------	3	------	3	--------
Osteomyelitis	1	9	1	6	------	2	--------
Otitis, interna	------	3	1	1	------	1	--------
Otitis, media, chronic	49	106	7	79	------	20	--------
Pachymeningitis, cerebral	1	1	------	1	------	------	--------
Panophthalmitis	------	1	------	1	------	------	--------
Pansinusitis	------	2	------	2	------	------	--------
Papillitis	1	1	------	1	------	------	--------
Paralysis, nerve	------	5	2	2	------	1	--------
Paralysis, vocal cords	------	1	------	1	------	------	--------
Paranoid state	------	3	------	3	------	------	--------
Pemphigus	------	1	------	1	------	------	--------
Pericarditis	------	1	------	1	------	------	--------
Periostitis, chronic	2	3	------	3	------	------	--------
Pes cavus	1	1	------	------	------	1	--------
Phlebitis	1	3	------	1	------	2	--------
Pleurisy, fibrinous, acute	------	1	------	1	------	------	--------
Pleurisy, fibrinous, chronic	5	15	2	9	------	4	--------
Pleurisy, serofibrinous	------	6	------	5	------	1	--------
Pleurisy, suppurative	------	13	------	12	------	1	--------
Poliomyelitis, anterior, acute	------	1	------	1	------	------	--------
Poliomyelitis, anterior, chronic	------	1	------	------	------	1	--------
Prolapse, rectum	------	1	------	1	------	------	--------
Prostatitis (nonvenereal), chronic	1	3	------	3	------	------	--------
Psoriasis	1	5	------	5	------	------	--------
Psychoneurosis, hysteria	23	35	------	25	------	10	--------

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*—Continued

Disability	Condition existed prior to enlistment	Number	Navy		Marine Corps		Nurse Corps
			Officers	Men	Officers	Men	Nurses
Psychoneurosis, neurasthenia	15	47	1	34	------	12	--------
Psychoneurosis, psychasthenia	7	17	2	9	------	6	--------
Psychoneurosis, war neurosis	3	3	------	2	------	1	--------
Psychoneurosis, unclassified	1	3	------	3	------	------	--------
Psychosis, epileptic	2	3	------	2	------	1	--------
Psychosis-intoxication, alcoholic	1	1	------	1	------	------	--------
Psychosis, manic depressive	5	17	1	10	------	6	--------
Psychosis, traumatic	2	2	------	1	------	1	--------
Psychosis with organic brain disease	------	2	------	2	------	------	--------
Psychosis, unclassified	6	14	------	11	------	3	--------
Pyelitis, acute	------	1	------	------	------	1	--------
Pyelitis, chronic	------	5	------	3	------	2	--------
Pyorrhea alveolaris	1	1	------	1	------	------	--------
Retinitis	5	8	------	6	------	2	--------
Rheumatic fever	6	19	------	16	------	3	--------
Rheumatism, muscular	5	17	------	10	------	7	--------
Rhinitis, atrophic	5	8	------	7	------	1	--------
Sarcoma	------	1	------	1	------	------	--------
Sclerosis, disseminated	1	2	1	1	------	------	--------
Sclerosis, lateral amyotrophic	------	1	------	------	------	1	--------
Seasickness	2	3	------	3	------	------	--------
Sinusitis, ethmoidal	1	3	------	3	------	------	--------
Sinusitis, frontal	3	12	------	9	------	3	--------
Sinusitis, maxillary	2	3	------	3	------	------	--------
Somnambulism	3	4	------	2	------	2	--------
Splanchnoptosis	------	1	------	1	------	------	--------
Sprue	------	1	------	------	------	1	--------
Stammering	1	1	------	1	------	------	--------
Status lymphaticus	2	2	------	2	------	------	--------
Stomatitis, unclassified	1	1	------	1	------	------	--------
Strabismus	3	3	------	2	------	1	--------
Stricture, ureter	1	1	------	1	------	------	--------
Stricture, urethra	------	1	------	1	------	------	--------
Stuttering	1	1	------	1	------	------	--------
Sycosis	------	1	------	1	------	------	--------
Synovitis, acute, temporo-mandibular joint	------	1	1	------	------	------	--------
Synovitis, acute, knee	1	1	------	------	------	1	--------
Synovitis, chronic, knee	3	6	------	6	------	------	--------
Syphilis	33	49	------	39	------	10	--------
Tabes dorsalis	------	2	1	------	------	1	--------
Tachycardia	4	17	------	13	------	4	--------
Talipes	3	4	------	1	------	3	--------
Thrombosis, cerebral	------	1	------	------	------	1	--------
Thrombosis, femoral vein	------	1	------	1	------	------	--------
Thyroiditis, acute	------	1	------	1	------	------	--------
Thyroiditis, chronic	1	1	------	1	------	------	--------
Tonsillitis, chronic	3	5	------	5	------	------	--------
Trachoma	5	7	------	5	------	2	--------
Tuberculosis, pulmonary, acute pneumonic	------	2	------	1	------	1	--------
Tuberculosis, pulmonary, chronic, active	6	250	15	208	------	27	--------
Tuberculosis, pulmonary, chronic, arrested	------	11	2	9	------	------	--------
Tuberculosis, unclassified	2	20	------	16	------	4	--------
Ulcer, cornea	------	3	------	2	------	1	--------
Ulcer, duodenum	------	12	2	7	------	3	--------
Ulcer, skin	------	5	------	5	------	------	--------
Ulcer, stomach	2	9	------	7	------	2	--------
Union of fracture, faulty	26	40	------	24	------	16	--------
Valvular heart disease, aortic insufficiency	4	10	------	8	------	2	--------
Valvular heart disease, combined lesions, aortic and mitral	1	7	1	5	------	1	--------
Valvular heart disease, mitral insufficiency	24	63	2	50	------	11	--------
Valvular heart disease, mitral stenosis	1	4	1	3	------	------	--------
Valvular heart disease, pulmonic lesions	1	1	------	1	------	------	--------
Valvular heart disease, tricuspid lesions	1	1	------	1	------	------	--------
Varicocele	2	2	------	2	------	------	--------
Varicose veins	8	9	------	6	------	3	--------
Total for diseases	923	2,267	68	1,669	4	525	1

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*—Continued

INJURIES AND POISONING

Disability	Number	Navy		Marine Corps		Nurse Corps
		Officers	Men	Officers	Men	Nurses
Avulsion, brachial plexus, nerve, "I"	1				1	
Avulsion, finger, "H"	1				1	
Avulsion, hand, "H"	1		1			
Avulsion, hand, "M"	1		1			
Avulsion, ligaments and muscles, leg, "I"	1				1	
Burn, friction, wrist, "M"	1		1			
Contusion, arm, "H"	1		1			
Contusion, knee, "G"	1		1			
Contusion, knee, "I"	1		1			
Contusion, knee, "J"	1		1			
Contusion, multiple, "G"	1				1	
Crush, hand, "H"	1		1			
Dislocation, acromio-clavicular, "G"	1		1			
Dislocation, articular cartilage, knee, "I"	2				2	
Dislocation, knee, "I"	1		1			
Dislocation, patella, "J"	1				1	
Dislocation, shoulder, "G"	2		2			
Dislocation, shoulder, "J"	1		1			
Dislocation, shoulder, "M"	1		1			
Dislocation, vertebra, dorsal, "I"	1		1			
Foreign body, eye, "H"	1		1			
Fracture, compound, about ankle, "I"	1		1			
Fracture, compound, femur, "I"	1		1			
Fracture, compound, parietal bone, "I"	2		1		1	
Fracture, compound, patella, "I"	1		1			
Fracture, compound, phalanges, hand, "M"	1		1			
Fracture, compound, radius and ulna, "J"	1		1			
Fracture, compound, tibia and fibula, "H-S"	1		1			
Fracture, compound, tibia and fibula, "I"	3		2		1	
Fracture near joint with dislocation, elbow, "G"	1		1			
Fracture near joint with dislocation, wrist, "I-R"	1				1	
Fracture, simple, calcaneum, "I"	1				1	
Fracture, simple, femur, "G"	3		3			
Fracture, simple, femur, "H"	1		1			
Fracture, simple, femur, "I"	5		4		1	
Fracture, simple, fibula, "I"	1				1	
Fracture, simple, frontal bone, "I"	1	1				
Fracture, simple, humerus, "G"	1		1			
Fracture, simple, humerus, "M"	1		1			
Fracture, simple, metatarsal, "I"	2		1		1	
Fracture, simple, metatarsal, "M"	1				1	
Fracture, simple, multiple, "G"	3		2		1	
Fracture, simple, multiple, "H"	1		1			
Fracture, simple, occipital bone, "G"	1		1			
Fracture, simple, parietal bone, "G"	2		2			
Fracture, simple, pubic bone, "I"	1		1			
Fracture, simple, radius, "G"	1		1			
Fracture, simple, radius, "J"	1		1			
Fracture, simple, radius and ulna, "I"	1				1	
Fracture, simple, scapula, "H"	1		1			
Fracture, simple, semilunar cartilage, knee, "H"	1		1			
Fracture, simple, skull, "M"	1		1			
Fracture, simple, tibia, "G"	3		3			
Fracture, simple, tibia, "I"	2				2	
Fracture, simple, tibia, "J"	2				2	
Fracture, simple, tibia, "M"	1				1	
Fracture, simple, tibia and fibula, "H"	1		1			
Fracture, simple, tibia and fibula, "I"	1				1	
Fracture, simple, tibia and fibula, "I-R"	1		1			
Fracture, simple, ulna, "G"	1		1			
Fracture, simple, vertebra, lumbar, "G"	1		1			
Fracture, simple, vertebra, lumbar, "I"	1		1			
Fracture, simple, wrist, "G"	3		3			
Hemorrhage, traumatic, into eyeball, "J"	1				1	
Hemorrhage, traumatic, into eyeball, "M"	1		1			
Injuries, multiple, extreme, "I"	2		1			1
Intracranial injury, "G"	2		1		1	
Intraspinal injury, "I"	1		1			
Rupture, traumatic, muscles of finger, "F"	1		1			
Rupture, traumatic, tympanum, "E"	1				1	
Sprain, knee, "G"	3		1		2	
Sprain, knee, "I"	1		1			
Sprain, knee, "J"	3		2		1	
Sprain, sacro-iliac, "M"	2	1			1	

TABLE 4.—*Discharged from the service by reason of physical disability during the calendar year 1924*—Continned

INJURIES AND POISONING—Continued

Disability	Number	Navy		Marine Corps		Nurse Corps
		Officers	Men	Officers	Men	Nurses
Strain, back, "H"	1		1			
Strain, foot, "M"	1		1			
Synovitis, traumatic, knee, "G"	1				1	
Synovitis, traumatic, knee, "I"	1		1			
Synovitis, traumatic, knee, "J"	1				1	
Wound, incised, finger, "H"	1				1	
Wound, lacerated, arm, "H"	1		1			
Wound, lacerated, arm, "M"	1		1			
Wound, lacerated, eye, "F"	1		1			
Wound, lacerated, eye, "M"	1				1	
Wound, lacerated, finger, "H"	1		1			
Wound, penetrating, eye, "M"	1				1	
Wound, punctured, eye, "F"	1		1			
Wound, punctured, foot, "E"	1		1			
Wound, punctured, wrist, "E"	1				1	
Total for injuries	117	2	78	0	36	1
Poisoning, neoarsphenamine, chronic (antisyphilitic)	2				2	
Total for poisonings	2	0	0	0	2	0
INJURIES RECEIVED PRIOR TO ENTRY INTO NAVAL SERVICE						
Dislocation, chronic, shoulder, "M"	2		2			
Foreign body, knee, "E"	1				1	
Fracture near joint with dislocation, wrist, "G"	1		1			
Fracture, simple, femur, "I"	1				1	
Fracture, simple, frontal bone, "I"	1		1			
Fracture, simple, parietal bone, "G"	1		1			
Intracranial injury, "I"	3				3	
Rupture, traumatic, capsule of shoulder, "J"	1		1			
Sprain, knee, "J"	1				1	
Sprain, sacro-iliac, "G"	1		1			
Sprain, sacro-iliac, "M"	1		1			
Strain, abdominal, "M"	1		1			
Strain, sacro-iliac region, "M"	1		1			
Total result of injuries received prior to entry into naval service	16	0	10	0	6	0

OPERATIONS

TABLE 5.—*Report of surgical operations for the calendar year 1924*

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF BLOOD											
Anemia, splenic, splenectomy	------	------	1	------	------	------	------	1	------	------	------
Blood donor, transfusion	6	------	------	------	------	------	------	------	------	------	6
DISEASES OF CIRCULATORY SYSTEM											
Aneurysm, supraorbital, aneurysmorraphy	2	------	------	------	------	2	------	------	------	------	------
Phlebitis, excision vein	1	------	------	------	------	------	1	------	------	------	------
Varicocele:											
Ligation	2	------	------	------	------	------	------	------	------	------	2
Varicocelectomy	149	------	3	------	1	2	85	12	6	------	48
Varicose veins:											
Leg, excision	17	------	------	------	------	1	5	2	1	------	8
Location not stated, ligation	32	------	1	------	------	------	10	1	3	------	19
DISEASES OF DIGESTIVE SYSTEM											
Abscess:											
Abdominal, incision and drainage	5	------	1	------	1	------	3	2	2	------	------
About rectum, incision and drainage	15	------	1	------	------	------	6	1	3	------	6
Appendiceal, incision and drainage	------	------	------	------	2	2	------	------	------	------	------
Ischio-rectal, incision and drainage	4	------	------	------	------	------	1	------	------	------	3
Periproctic, incision and drainage	11	1	3	------	------	------	6	------	1	------	8
Subphrenic, incision and drainage	2	------	------	------	------	------	2	------	------	------	------
Subphrenic, resection of rib	1	------	------	------	------	------	1	------	------	------	------
Adhesions:											
Abdominal, breaking up of adhesions	2	------	------	------	------	------	2	------	------	------	------
Abdominal, exploratory incision	2	------	------	------	------	------	2	------	------	------	------
Peritoneum, breaking up of adhesions	5	------	1	------	------	------	4	1	1	------	------
Peritoneum, celiotomy	1	------	------	------	------	------	------	------	------	------	1
Appendicitis, acute:											
Appendectomy (died: 1 pneumonia, lobar; 1 poisoning, anesthesia, ether, inhalation)	672	3	11	------	15	4	589	47	25	------	36
Appendectomy with drainage (died: 1 infarction, lungs)	22	2	------	------	3	------	25	1	1	------	------
Drainage of abdominal cavity (died: Embolism, lung)	------	1	------	------	------	------	------	------	1	------	------
Exploratory incision (died: Peritonitis, general, acute)	------	1	------	------	------	------	1	------	------	------	------
Postoperative incision and drainage	3	------	------	------	------	------	2	------	1	------	------
Appendicitis, chronic:											
Appendectomy (died: Dilatation, cardiac, acute)	392	1	6	------	3	5	312	33	11	------	41
Celiotomy	2	------	------	------	------	------	1	1	------	------	------
Cholangitis, acute, exploratory laparotomy	1	------	------	------	------	------	1	------	------	------	------
Cholangitis, chronic, cholecystectomy	1	------	------	------	------	------	1	------	------	------	------
Cholecystitis, acute:											
Appendectomy (died: Septicemia)	------	1	------	------	------	------	1	------	------	------	------
Cholecystectomy	2	------	------	------	------	------	1	1	------	------	1
Cholecystitis, chronic:											
Cholecystectomy	10	------	2	------	------	------	11	1	------	------	------
Do	7	------	1	------	------	------	8	------	------	------	------
Exploratory incision	------	------	1	------	------	------	1	------	------	------	------
Postoperative suture	1	------	------	------	------	------	------	------	------	------	1

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF DIGESTIVE SYSTEM—continued											
Cholelithiasis, cholecystectomy	------	------	1	------	------	------	1	------	------	------	------
Cirrhosis, liver, hypertrophic, paracentesis	3	------	3	------	------	------	------	------	------	------	6
Fissure, anus, cauterization and dilatation	3	------	------	------	------	------	2	------	------	------	1
Fistula, fecal, excision	------	------	------	1	------	------	1	------	------	------	------
Fistula in ano:											
Incision, curettement and drainage	73	------	5	1	------	------	52	3	2	------	22
Postoperative repair	1	------	------	------	------	------	1	------	------	------	------
Gastritis, acute, appendectomy	1	------	------	------	------	------	1	------	------	------	------
Gastroenteritis, acute, appendectomy	2	1	------	------	------	------	1	1	------	------	1
Gastroenteritis, chronic, exploratory laparotomy	1	------	------	------	------	------	------	------	------	------	1
Hemorrhoids, hemorrhoidectomy	380	------	2	------	2	1	189	12	4	------	178
Obstruction, intestinal, from external causes, breaking up of adhesions	1	1	------	------	------	------	2	------	------	------	------
Obstruction, intestinal, unclassified:											
Colostomy	------	------	------	1	------	------	------	------	------	------	1
Exploratory laparotomy	------	1	------	------	1	------	1	------	1	------	------
Polypus rectal, excision of	3	------	------	------	------	------	2	------	------	------	1
Prolapse, rectum, excision of sac	1	------	------	------	------	------	1	------	------	------	------
Ulcer, duodenum:											
Celiotomy (died: 1 hemorrhage intestinal)	1	2	------	------	------	------	3	------	------	------	------
Excision (died: 1 shock)	------	1	------	1	------	------	2	------	------	------	------
Gastroenterostomy, posterior (died: 1 nephritis, acute)	6	1	1	------	------	------	6	2	------	------	------
Resection and repair	1	1	1	------	------	------	3	------	------	------	------
Ulcer, stomach:											
Exploratory incision	1	------	1	------	------	------	1	1	------	------	------
Gastroenterostomy (died: 1 (shock-cardiac failure)	1	1	1	------	------	------	2	1	------	------	------
DISEASES OF DUCTLESS GLANDS AND SPLEEN (ENDOCRINES)											
Goiter, thyroidectomy, partial	3	------	------	------	------	------	1	------	------	------	2
Goiter, exopthalmic, thyroidectomy	------	1	------	------	------	------	1	------	------	------	------
Rupture, nontraumatic, spleen, splenectomy	------	------	1	------	------	------	1	------	------	------	------
DISEASES OF EAR, NOSE, AND THROAT											
Abscess:											
Ear, incision and drainage	3	------	------	------	------	------	1	------	------	------	2
Nose, incision and drainage	4	------	------	------	------	------	------	------	------	------	4
Peritonsillar, incision and drainage (died: 1 endocarditis, acute)	12	1	2	------	------	------	------	------	------	------	15
Peritonsillar, tonsillectomy	48	------	3	------	------	1	------	------	------	------	50
Retropharyngeal, tonsillectomy	1	------	------	------	------	------	------	------	------	------	1
Tonsils, incision	1	------	------	------	------	------	------	------	------	------	1
Adenoids, adenoidectomy	58	------	------	------	------	------	------	------	------	------	58
Calculus, tonsil, tonsillectomy	1	------	------	------	------	------	------	------	------	------	1
Deafness, bilateral, tonsillectomy	2	------	------	------	------	------	------	------	------	------	2
Deviation, nasal septum:											
Bone graft, autogenous	1	------	------	------	------	------	1	------	------	------	------
Cauterization	1	------	------	------	------	------	------	------	------	------	1
Submucous resection	735	------	49	------	------	------	5	------	------	------	779
Elongation, uvula, uvulotomy	11	------	4	------	------	------	------	------	------	------	15
Laryngitis, acute, tonsillectomy	------	------	1	------	------	------	------	------	------	------	1

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF EAR, NOSE, AND THROAT—continued											
Mastoiditis, acute:											
Mastoidectomy	32		2	1			35				
Mastoidotomy with drainage	13		2				15				
Mastoiditis, chronic, mastoidotomy with drainage	17			1	2		20				
Obstruction, lacrimal duct, probing of lacrimal duct			2								2
Otitis media, acute:											
Incision and drainage	2					1					1
Mastoidectomy with drainage	2		1				2		1		
Paracentesis	48		20						3		65
Tonsillectomy	3		1								4
Otitis media, chronic:											
Mastoidectomy with drainage	3						3				
Paracentesis				1							1
Tonsillectomy	4										4
Pansinusitis, sinusotomy	1		1								2
Polypus, nasal, submucous resection	28		3				1				30
Sinusitis, ethmoidal:											
Sinusotomy	1		2					1			2
Turbinectomy	12		1								13
Sinusitis, frontal:											
Curettement	2						1				1
Sinusotomy and drainage	1		2								3
Turbinectomy	10		2								12
Sinusitis, maxillary:											
Plastic repair			1								1
Sinusotomy and drainage	15		8				3				20
Turbinectomy	4		6				1				9
Tonsillitis, chronic:											
Adenoidectomy and tonsillectomy	35					1	12	1			21
Tonsillectomy	2,595		16				43		8		2,560
Postoperative suture	2						2				
DISEASES OF EYE AND ADNEXA											
Abscess, eyelid, incision and drainage	2										2
Cataract:											
Cataract extraction	1										1
Cataract needling	1										1
Chalazion, chalazion operation	41		1								42
Conjunctivitis, catarrhal, tonsillectomy	1										1
Conjunctivitis, follicular, expression of			1								1
Hordeolum, incision and drainage	5										5
Insufficiency, ocular muscle, plastic repair	1						1				
Pterygium:											
Excision of	5										5
Operation for	39		16								55
Transplantation	1										1
Strabismus, tenotomy	1										1
Trachoma, tonsillectomy	1										1
Ulcer, cornea, enucleation, simple	1						1				
DISEASES OF GENITO-URINARY SYSTEM (NONVENEREAL)											
Abscess:											
Kidney, nephrectomy			1				1				
Kidney, nephrotomy	1						1				
Liver, aspiration	5						5				
Perinephritic, exploratory laparotomy	2			2					1		3
Perinephritic, incision and drainage			4		1		4				1

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF GENITO-URINARY SYSTEM (NONVENEREAL)—con.											
Abscess—Continued.											
Periurethral, incision and drainage	3										3
Prostate, incision and drainage	1										1
Testicle, incision and drainage	1						1				
Atrophy, testicle, orchidectomy	2						1	1			
Balanoposthitis:											
Circumcision	3										3
Incision	1										1
Calculus, kidney:											
Lithotomy perineal	1						1				
Nephrectomy			1								1
Nephrolithotomy	3						3				
Nephrotomy	2						2				
Cystitis, chronic (nonvenereal), cystoscopy	5			2							7
Enlargement, prostate, prostatectomy (died; 1 pyelonephritis)		1									1
Enuresis, cystoscopy				1							1
Epididymitis, acute (nonvenereal), epididymotomy	5		1			1	1	2	2		
Epididymitis, chronic (nonvenereal):											
Epididymectomy	1					1					
Orchidectomy	2							2			
Fistula, urethra, excision of scar tissue	1		2				2		1		
Hydrocele:											
Aspiration and injection	6						5				1
Eversion of sac (bottle operation)	27						10	2	2		13
Excision	11						8		1		2
Hydrocele, spermatic cord, excision	1						1				
Hydrocele, tunica vaginalis, eversion of sac	4						2	1			1
Hydronephrosis, nephrectomy	3						1				2
Nephritis, acute:											
Cystoscopy				1							1
Tonsillectomy			1								1
Nephritis, chronic, transfusion				6							6
Nephroptosis, nephropexy	1		1				2				
Orchitis, acute, epididymectomy	2							1			1
Paraphimosis, circumcision	2										2
Phimosis, circumcision	56		3				2		1		56
Pyelitis, acute, cystoscopy			1								1
Pyelitis, chronic, cystoscopy				4							4
Pyelonephritis, cystoscopy				24							24
Redundant prepuce, circumcision	377					1	9				367
Redundant scrotum, resection	5						3	2			
Rupture, nontraumatic, kidney, nephrectomy		1						1			
Spermatocele, vasectomy	1										1
Stricture, urethra, removal of foreign body	1						1				
COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES											
Angina, Vincent's, tracheotomy		1									1
Pneumonia, broncho	1										1
Pneumonia, lobar, aspiration	1		1	2							4
Tonsillitis, acute, tonsillectomy	241						3				238

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Location or none
TUBERCULOSIS (ALL FORMS)											
Tuberculosis:											
Ankle, amputation, all or in part	1						1				
Cervical glands, excision of	2										2
Epididymis, epididymectomy	1						1				
Foot, amputation, all or in part			1					1			
Genito-urinary tract, nephrectomy			1				1				
Kidney, nephrectomy	3						3				
Kidney, nephrotomy	1						1				
Lymph glands, neck, resection of submaxillary triangle glands	1		1				1				1
Peritoneum, exploratory incision and drainage			1	1			1				1
Testicle, orchidectomy	1						1				
Wrist, amputation, all or in part			1				1				
VENEREAL DISEASES											
Chancroid (phimosis), incision and drainage	4						3				1
Chancroidal lymphadenitis:											
Excision and drainage	4		1				2		3		
Incision and drainage	35		1				2				34
Gonococcus infection of conjunctiva, enucleation, simple	2						2				
Gonococcus infection, epididymis:											
Epididymectomy	4						2				2
Epididymotomy	31		5	1			14				23
Gonococcus infection, lymph-node, excision	6						1		2		3
OTHER DISEASES OF INFECTIVE TYPE											
Abscess:											
Arm, incision and drainage	1		1						1		1
Axilla, incision and drainage	2						1				1
Back, excision of	2						1				1
Buttock, incision and drainage	6		2	1			5		2		2
Face, incision and drainage	3					2					1
Finger, amputation, all or in part	1								1		
Foot, incision and drainage	6						1		1		4
Hand, incision and drainage	13		2				2		7		6
Hip, incision and drainage	2						2				
Jaw, incision and drainage	3								1		2
Leg, incision and drainage	6						1	1	2		2
Location not stated, incision and drainage	12							1			11
Mammary gland, incision and drainage	1										1
Neck, incision and drainage	7		1				2	1	3		2
Perineum, incision and drainage	2						1				1
Postoperative, incision	1										1
Sacral, incision and drainage	1						1				
Shoulder, incision and drainage	2						1				1
Submaxillary, incision and drainage	1										1
Thigh, incision and drainage	2								2		
Tibia, incision and drainage	1								1		
Toe, amputation, all or in part	1						1				
Carbuncle:											
Forearm, crucial incisions	1								1		
Hip, excision	1						1				
Location not stated, incision and drainage	1					1					

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
OTHER DISEASES OF INFECTIVE TYPE—continued											
Carbuncle—Continued.											
Neck, crucial incisions	1								1		
Neck, excision	3						3				
Nose, incision and drainage		1		1					3		
Shoulder, incision and curettement	1						1				
Cellulitis:											
Ankle, incision and drainage	1		2				1		1		1
Arm, incision and drainage	2		1				1				2
Face, incision, curettement, and drainage	2						1				1
Finger, amputation, all or in part	4							1	1		2
Foot, amputation, all or in part	1								1		
Foot, incision and drainage	2		1		1		3		1		
Foot, skin grafting, Reverdin	1										1
Hand, incision and drainage	13		3				6		5		5
Leg, incision and drainage	8						2		2		4
Multiple, incision and drainage (died: 1 septicemia)		1					1				
Neck, incision and drainage	1				2				2		1
Neck, tracheotomy	1						1				
Nose, incision and drainage	1										1
Shin, debridement	2										2
Thumb, amputation, all or in part	1						1				
Toe, curettement	1										1
Rheumatic fever, tonsillectomy	7		4	1							12
DISEASES OF LYMPHATIC SYSTEM											
Bubo, inguinal (nonvenereal):											
Excision of scar tissue	2		1				2				1
Incision and drainage	26		1					1	2		24
Lymphadenectomy	6		3	1			5				5
Lymphadenitis, cervical, lymphadenectomy	11		1				9				3
Lymphadenitis, inguinal:											
Incision and drainage	3		1	1			2		1		2
Lymphadenectomy	19		1				7	2	2		9
Lymphadenitis, jaw	1										1
DISEASES OF MOTOR SYSTEM											
Adhesions, elbow joint, breaking up of adhesions	2								2		
Amputation stump:											
Amputation, all or in part	4						4				
Skin grafting, method not stated	1										1
Ankylosis:											
Elbow, breaking up of adhesions	1						1				
Shoulder, arthrodesis	1						1				
Thumb, osteotomy			1				1				
Wrist, manipulation	1								1		
Arthritis, acute, location not stated, incision and drainage	1										1
Arthritis, chronic:											
Ankle, arthrectomy			1				1				
Elbow, arthrotomy				1			1				
Finger, manipulation	1								1		
Knee, arthrotomy	2		1				1	1			1
Location not stated, amputation, all or in part	1						1				
Location not stated, tonsillectomy	2		1								3
Bursitis, acute, incision and curettement	3						1				2

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF MOTOR SYSTEM—continued											
Bursitis, chronic, excision	12		1				6		2		5
Chrondritis, ear, tonsillectomy			1				1				
Contracture:											
Fascia, postoperative, resection of nerve	1						1				
Tendon, tenoplasty	2						2				
Tendon, tenorrhaphy			1	1			1				1
Exuberant callus, excision of	1										1
Floating cartilage in joint:											
Ankle, osteotomy	1										1
Wrist, osteotomy	2								2		
Ganglion, tendon sheath, location not stated, excision	9						1	1			7
Hallux valgus, arthrotomy	3						1				2
Hammer toe:											
Amputation, all or in part	13		1	1			5				10
Tenoplasty	3										3
Tenotomy	2						1				1
Hernia, muscle, repair of	1		1								2
Hypertrophy of bone:											
Leg, excision	1						1				
Os calcis, excision	1										1
Turbinate, cauterization	6		13								19
Turbinate, turbinectomy	72		11								83
Loose body in joint:											
Knee, arthrectomy	1		1				2				
Location not stated, exploratory incision	1		1				2				
Loss of substance, tendon, hand, amputation, all or in part	1						1				
Myositis, chronic, appendectomy	1						1				
Necrosis, mandible, curettement	3										3
Osteomyelitis:											
Femur, amputation, all or in part	1							1			
Fibula, curettement and drainage			3				1	1			1
Humerus, osteotomy			1						1		
Ilium, sequestrotomy	1		1						1		1
Mandible, sequestrectomy	2						1				1
Metacarpal, sequestrotomy	1		1		2		1		1		2
Metatarsal, arthrectomy, partial			1				1				
Metatarsal, sequestrotomy	1						1				
Patella, incision and drainage			1						1		
Phalanges, hand, amputation, all or in part	3						1		1		1
Phalanges, hand, sequestrotomy	3						1	1			1
Phalanx, thumb, amputation, all or in part	2						1				1
Phalanx, toe, amputation, all or in part	1										1
Radius, osteotomy			5				1		4		
Tibia, incision and drainage	3		1				2	1	1		
Tibia, sequestrectomy			1						1		
Tibia, sequestrotomy	1			1			1				1
Tibia, suture, secondary			1					1			
Vertebra, laminectomy	1								1		
Periostitis, acute:											
Elbow, curettement			1								1
Femur, sequestrotomy					1		1				
Humerus, incision and drainage			1						1		
Leg, incision and drainage	1				1		1				1
Location not stated, incision and drainage	1		1				1				1
Thumb, incision and drainage	1					1					

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
DISEASES OF MOTOR SYSTEM—continued											
Periostitis, chronic:											
Elbow, curettement	------	------	1	------	------	------	------	------	------	------	1
Finger, amputation, all or in part	1	------	------	------	1	1	1	------	------	------	------
Location not stated, osteotomy	1	------	------	------	------	------	1	------	------	------	------
Vertebra, incision and curettement	------	------	1	------	------	------	1	------	------	------	------
Synovitis, knee, chronic:											
Arthrotomy	3	------	1	------	1	------	1	2	1	------	1
Aspiration	1	------	------	1	------	------	------	------	------	------	2
Tenosynovitis, chronic, excision of sac	------	------	------	1	------	------	------	------	------	------	1
Union of fracture, faulty:											
Arthrectomy, complete	------	------	1	------	------	------	1	------	------	------	------
Bone graft	1	------	------	------	------	------	1	------	------	------	------
Osteoplasty	------	------	1	------	------	------	------	------	------	------	1
Osteotomy	3	------	------	------	------	------	2	------	------	------	1
Rebroken and set for faulty union	4	------	1	1	------	------	4	------	1	------	1
Sequestrotomy	1	------	------	------	------	------	1	------	------	------	------
Wired	1	------	------	------	------	------	1	------	------	------	------
DISEASES OF NERVOUS SYSTEM											
Neuritis, sciatic, tonsillectomy	1	------	------	------	------	------	------	------	------	------	1
Paralysis, nerve, neurorrhaphy	------	------	------	1	------	------	1	------	------	------	------
DISEASES OF RESPIRATORY SYSTEM											
Abscess:											
Lung, aspiration	1	------	1	------	------	------	------	------	------	------	2
Lung, pneumotomy	1	------	------	------	------	------	------	------	------	------	1
Lungs, incision and drainage (died: 1 septicemia)	------	1	------	------	------	------	1	------	------	------	------
Bronchitis, chronic	1	------	------	------	------	------	------	------	------	------	1
Pleurisy, serofibrinous:											
Aspiration	------	------	1	------	------	------	------	------	------	------	1
Thoracentesis	------	------	1	------	------	------	------	------	------	------	1
Thoracotomy with drainage	1	------	1	------	------	------	1	------	------	------	1
Pleurisy, suppurative:											
Resection and drainage	10	1	4	1	3	1	6	2	2	------	8
Thoracotomy with drainage	7	------	6	------	------	------	2	1	2	------	8
DISEASES OF SKIN, HAIR, AND NAILS											
Acne, vulgaris, face, curettement	------	------	2	------	------	------	1	1	------	------	------
Callosity, excision of	1	------	------	------	------	------	------	------	------	------	1
Cicatrix, skin:											
Amputation, all or in part	2	------	------	------	------	------	------	------	------	------	2
Plastic repair	6	------	7	------	1	------	5	1	2	------	6
Resection	10	------	3	1	------	1	4	1	------	------	8
Tenotomy	1	------	------	------	------	------	------	------	------	------	1
Clavus, excision	7	------	------	------	------	------	3	------	1	------	3
Ingrowing nail, excision	108	------	9	------	------	------	4	------	1	------	112
Keloid, upper lip, plastic repair	1	------	------	------	------	------	------	------	------	------	1
Nevus, excision	------	------	1	------	------	------	------	------	------	------	1
Onychia, excision	1	------	------	------	------	------	------	------	------	------	1
Pruritis, ani, incision and drainage	3	------	------	------	------	------	------	------	------	------	3
Skin donor, skin grafting, Thiersch method	8	------	------	------	------	8	------	------	------	------	------
Verruca acuminata:											
Circumcision	1	------	------	------	------	------	------	------	------	------	1
Excision	9	------	------	------	------	3	------	1	------	------	5
Excision and cauterization	2	------	------	------	------	------	------	------	------	------	2
Wart, excision	9	------	------	------	------	2	------	------	------	------	7

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
HERNIAE											
Epigastric:											
Repair. Mayo	6		1				3	1			3
Femoral:											
Repair. Bassini	4						3				1
Repair. Moszhowicz	1										1
Inguinal:											
Repair. Bassini	407		1		3	3	228	31	17		132
Repair. Bergman's	1										1
Repair. Ferguson	21		1		1		23				
Repair. Halstead	11						11				
Repair. Johns Hopkins	1						1				
Repair. Mayo	1										1
Repair. Willis Andrews	3						2				1
Lumbar:											
Repair. Bassini	1						1				
Recurrent:											
Repair. Bassini	10		2			1	5	1			5
Repair. Modified Mayo	1										1
Umbilical:											
Repair. Bassini	3							1			2
Repair. Mayo	2						1				1
Ventral:											
Repair. Bassini	11		1				9		2		1
Repair. Mayo	5						2	2			1
MISCELLANEOUS DISEASES AND CONDITIONS											
Absence, acquired, foot, skin grafting. Reverdin			1								1
Abscess, pelvic, incision and drainage	1		1				2				
Adhesions about cecum, breaking up of	1						1				
Atrophy, muscle, nerve stretching			1				1				
Deformity, acquired:											
Coccyx, plastic repair	1						1				
Finger, amputation, all or in part	1										1
Foot, amputation, all or in part			1					1			
Hand, tenorrhaphy			1				1				
Nose, plastic repair	5		1				2				4
Palate, plastic repair	1							1			
Toe, amputation, all or in part	1										1
Diverticulum, excision	1								1		
Fistula:											
Abdominal, excision	1										1
Upper lip, excision	1										1
Hemorrhage, abdominal, postoperative suture	2						2				
Hypertrophy, mammary glands, excision	1						1				
Malformation, congenital:											
Ear, excision of cartilage			1				1				
Testicle, operation for undescended testicle	1						1				
Sinus:											
Coccygeal, excision of	1									1	
Stump, incision and curettement	1								1		
TUMORS											
Adenoma:											
Cystotomy, suprapubic	1							1			
Thyroidectomy, partial	2						2				
Angioma, face, excision and cauterization	1										1
Carcinoma:											
Colon, resection of and anastomosis				1			1				

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether and other	Gas	Other general	Local or none
TUMORS—continued											
Carcinoma—Continued.											
Intestines, exploratory incision		1					1				
Nose, excision of	1										1
Pylorus, gastroenterostomy											
Mayo-no loop, (died; 1 hemorrhage, postoperative)		1					1				
Chondroma, hand, excision	1						1				
Cyst:											
Arm, excision	1										1
Cheek, excision	5										5
Chest, excision	3										3
Conjunctiva, excision	2										2
Ear, excision	9						1				8
Eyelid, excision	4						1				3
Face, excision	7						1				6
Foot, excision	2										2
Forehead, excision	5						1				4
Hand, excision	2						1				1
Location not stated, excision	4										4
Neck, excision	11						3				8
Ovary, excision	1						1				
Pancreas, exploratory incision (died: 1 peritonitis, general, acute)		1					1				
Sacro-anal, excision	2						1				1
Sacrum, excision	4		1		3		3				5
Thyroglossal, excision	1										1
Cyst, retention:											
Arm, excision	1										1
Cheek, excision	2										2
Ear, excision	2										2
Forehead, excision	2										2
Hand, excision	3										3
Leg, excision	1										1
Location not stated, excision	9		1				1				9
Neck, excision	5						1				4
Cystoma:											
Back, excision	1						1				
Face, excision	1								1		
Hand, excision	1										1
Liver, excision and drainage			1				1				
Neck, excision	4						1		1		2
Scalp, excision	1										1
Thyroglossal, excision	1						1				
Endothelioma, location not stated, excision	1										1
Epithelioma:											
Lip, excision	1						1				
Eyelid, excision	1						1				
Fibroma:											
Location not stated, excision	6								1		5
Location not stated, exploratory incision		1					1				
Hematoma, nontraumatic, ear, excision	1						1				
Lipoma:											
Buttock, excision	1						1				
Location not stated, incision and drainage	3								1		2
Shoulder, excision	2						1				1
Temporal region, excision	1										1
Neuroma, neurectomy	2		1								3
Osteoma:											
Femur, excision	3				1		4				
Location not stated, excision	3						2		1		
Os calcis, osteotomy	1						1				
Phalanx, foot, amputation, all or in part					1		1				
Radius, osteotomy	1								1		
Tibia, osteotomy	5						4				1

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
TUMORS—continued											
Papilloma:											
Face, excision	1										1
Finger, excision	2										2
Location not stated, excision	9							1			8
Sarcoma:											
Location not stated, excision	2						1				1
Shoulder, resection	1						1				
Testicle, exploratory incision		1					1				
Teratoma:											
Coccyx, excision	1		1				2				
Coccyx, postoperative repair of tissue	2						1		1		
Face, excision	2										2
Location not stated, excision	10						6				4
Sacral region, excision and drainage	12						5	2			5
Tumor, benign, mixed:											
Adeno-fibroma, breast, excision and drainage	2						1				1
Variety and location not stated, excision and drainage	4						1				3
Tumor, malignant, mixed, variety not stated, popliteal space, excision	1										1
FEMALE DISEASES AND CONDITIONS.											
Adhesions, peritoneum, excision of right fallopian tube	1						1				
Mastitis, chronic, amputation left breast	1						1				
INJURIES											
Avulsion:											
Finger, amputation, all or in part	5		3				3				5
Hand, amputation, all or in part					1		1				
Burn, X-ray, ankle, skin grafting, method not stated			1								1
Burn, arm, powder, skin grafting, method not stated			1								1
Burn, hand, powder, amputation, all or in part	1										1
Burn, multiple, gasoline explosion, skin grafting, Thiersch method	2		2				3				1
Contusion:											
Jaw, incision and drainage	1							1			
Leg, suture	1										1
Crush:											
Fingers, amputation, all or in part	17				1		6				12
Hand, tenorrhaphy			1				1				
Toes, amputation, all or in part	3						1				2
Dislocation:											
Articular cartilage, knee, excision of semilunar cartilage	4						2	1			1
Clavicle, capsulorrhaphy	1						1				
Clavicle, open reduction	2		2				1				3
Clavicle, reduction	7						3				4
Joint not stated, reduction	1						1				
Phalanx, thumb, reduction			1					1			
Foreign body:											
Arm, removal of	1										1
Back, removal of	1										1
Chest, resection	1										1
Cornea, removal of	3										3
Eye, enucleation, simple	1						1				

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
INJURIES—continued											
Foreign body—Continued.											
Eye, removal of	29										29
Eye, magnet extraction	1										1
Foot, removal of	6						1		1		4
Hand, removal of	2			1			1				2
Joint, location not stated, removal of	5						1				4
Leg, removal of	2							1			1
Spine, resection of spinous process	1						1				
Stomach, removal of	2						2				
Thigh, removal of	3										3
Thumb, removal of	2										2
Wrist, removal of	1						1				
Fracture, compound:											
Femur, open reduction	1						1				
Femur, plate removed			1					1			
Femur and ulna, skin grafting, Furch	1										1
Humerus, open reduction	1							1			
Humerus, open treatment of, by wiring			1				1				
Humerus, removal of bone plate			1				1				
Ilium, removal of silver wire	1										1
Mandible, open reduction, removal of fragments	2						2				
Mandible, open treatment of, by plate			2				2				
Maxilla, open reduction	2						1				1
Metacarpal, hand, reduction and external splint	8		3				2				9
Nasal bone, open reduction			1								1
Phalanges, hand, amputation, all or in part					2		1				1
Phalanges, hand, open reduction			2				1				1
Phalanx, hand, amputation, all or in part	1		1		1		2				1
Skull, decompression (died: 1 shock)		2		1			1				2
Tibia, amputation, all or in part			1					1			
Tibia, open reduction	1			1			2				
Tibia, open treatment of, by plate			1				1				
Tibia, open treatment of, by suture	1		1				1				1
Tibia, reduction and external splint			1								1
Tibia, sequestrotomy				1				1			
Tibia and fibula, amputation, all or in part (died: 1 septicemia)	1	1					1		1		
Tibia and fibula, open reduction	1	1			1		3				
Tibia and fibula, open reduction, removal of fragments			1				1				
Tibia and fibula, open treatment by bone graft			1				1				
Tibia and fibula, open treatment by plate			1				1				
Ulna, open treatment by suture			1				1				
Ulna, plate removed			1					1			
Fracture, near joint, with dislocation:											
Metacarpal, reduction and external spint			1								1
Radius, reduction and external splint	1		1				1		1		

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
INJURIES—continued											
Fracture, simple:											
Clavicle, reduction	11		1				1				11
Clavicle, treatment of, by open reduction	3						2				1
Clavicle, treatment of, by open reduction, wiring and cast	1								1		
Coccyx, reduction	1										1
Femur, open treatment of, by plate	3		1				2	2			
Femur, reduction and cast	2						2				
Femur, reduction and external splint	3		1				3				1
Femur and tibia, reduction and external splint			1								1
Fibula, reduction and external splint	8		1				1				8
Humerus, open reduction, removal of fragments	1		1			1					1
Humerus, open treatment of, by bone graft			1				1				
Humerus, open treatment of, by plate	1						1				
Humerus, reduction with external splint	1		1		1		1				2
Mandible, simple, reduction	2		1								3
Metacarpal, reduction	7										7
Metacarpal, reduction and external splint	9		1				1				9
Metatarsal, reduction and external splint	1			1							2
Nasal bone, plastic repair	2							1			1
Olecranon, open treatment of, by suture	1								1		
Patella, reduction	1						1				
Patella, reduction and external splint					1						1
Pelvis, open treatment of, by wiring			2				1		1		
Phalanges, foot, amputation, all or in part			1								1
Phalanges, foot, reduction	1										1
Phalanx, hand, reduction	2										2
Radius, arthrotomy	1						1				
Radius, open treatment of, by plate	2			1			3				
Radius, osteotomy	1						1				
Radius, reduction	4		1						3		2
Radius, reduction and external splint	15			1			4				12
Radius and ulna, reduction and external splint	2		2				2				2
Scaphoid, reduction	3		2				1	1			3
Scapula, reduction and external splint			3								3
Skull, decompression (died: 1 meningitis, cerebrospinal)		1							1		
Thumb, reduction and external splint	1						1				
Tibia, open treatment of, by bone graft			1				1				
Tibia, reduction	2		1		1		2				2
Tibia, reduction and external splint	5		2						2		5
Tibia and fibula, open treatment by wiring			1				1				
Tibia and fibula, plate removed	2						2				

TABLE 5.—*Report of surgical operations for the calendar year 1924*—continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
INJURIES—continued											
Fracture, simple—Continued.											
Tibia and fibula, reduction and external splint	3		1	2			1				5
Tibia and fibula, reduction and plaster cast	2				1		1				2
Ulna, arthroplasty			1				1				
Ulna, open treatment by suture	1						1				
Ulna, reduction	3						1				2
Ulna, reduction and external splint	1						1				
Wrist, reduction and external splint	1										1
Intracranial injury:											
Decompression	1							1			
Spinal puncture			1								1
Periostitis, traumatic, arm, curettement	1						1				
Rupture, traumatic:											
Ileum, celiotomy		1					1				
Intestines, celiotomy		1					1				
Muscle, suture	1						1				
Sprain, knee, arthrotomy	1							1			
Wound, incised:											
Back, debridement	1						1				
Finger, suture	1						1				
Fingers, tenorrhaphy	1						1				
Hand, tenorrhaphy	3		1				3				1
Multiple, suture	1						1				
Neck, suture		1									1
Thumb, tenorrhaphy	1										1
Wound, lacerated:											
Arm, suture	2						2				
Face, suture	2						2				
Finger, amputation, all or in part	12		3		2		4		1		12
Finger, suture	2										2
Finger, tenorrhaphy	1		1				1	1			
Fingers, amputation, all or in part			1								1
Foot, amputation, all or in part	1						1				
Foot, skin grafting, Reverdin	1										1
Foot, suture	1							1			
Hand, amputation, all or in part	1								1		
Hand, removal of foreign body					1						1
Hand, suture	2						2				
Hand, tenorrhaphy	3						2				1
Leg, suture	2				1						3
Lip, suture	1										1
Neck, larynx, and trachea, tracheotomy		1									1
Nose, suture	1										1
Scalp, suture	3				1		1				3
Toe, suture	1										1
Thumb, tenorrhaphy			1				1				
Wound, multiple:											
Arm, back and leg, debridement with primary suture	1										1
Extreme, exploratory incision (died: 1 shock)		1					1				
Face, paracentesis				1							1
Face, iridectomy				1							1
Finger, amputation, all or in part					1		1				
Hand, amputation, all or in part				1			1				

TABLE 5.—*Report of surgical operations for the calendar year 1924*—Continued

Operation	Result					Anesthetic employed					
	Cured	Died	Improved	Unimproved	Transferred	Chloroform	Ether	Ether with other	Gas	Other general	Local or none
INJURIES—continued											
Wound, punctured:											
Abdomen, debridement	1						1				
Chest, thoracotomy and drainage	1								1		
Hand, amputation, all or in part	2										2
Hand, incision and drainage	1						1				
Thigh, exploratory incision	1		1				2				
Total operations (8,735)	8,110	43	432	81	69	48	2,272	219	207	1	5,988

Injections:	
Arsphenamine	2,272
Bichloride of mercury	2,079
Neoarsphenamine	5,616
Tryparsamid	17
Grand total	18,719

DENTAL OPERATIONS AND TREATMENTS

TABLE 6.—*Dental operations for the calendar yeor 1924*

Operation or treatment	Number of cases	Operation or treatment	Number of cases
Fillings:			
Amalgam	56,452	Inlays	142
Cement, oxyphosphate	13,282	Bridges repaired	32
Cement, silicate	17,184	Crowns repaired	22
Gutta percha, permanent	993	Dentures repaired	143
Extractions:		Miscellaneous:	
Impacted	1,385	Abscesses (drained through canals)	3,884
Simple	22,703	Abscesses (lanced)	2,769
Surgical removal (other than impactions)	1,330	Alveolectomies	269
Postoperative treatments	19,364	Apicoectomies	894
Anesthesia:		Calculus removed (sets)	18,547
Conduction	7,224	Fractures (mandible)	192
General	332	Fractures (maxilla)	29
Local	14,181	Gingivitis (cases)	6,689
Pulps extirpated:		Necrosis (cases)	127
Conduction anesthesia	727	Porcelain (crowns)	842
Devitalization	2,300	Pyorrhea (cases)	2,765
Infiltration anesthesia	613	Recemented (bridge)	850
Pressure anesthesia	2,525	Recemented (crown)	888
Without anesthesia	997	Recemented (inlay)	735
Root canal fillings:		Restorations (plate)	107
Inserted (teeth)	6,155	Radiograms (not recorded above)	27,481
Above checked by radiograms	1,557	Treatments, root canal (teeth)	14,839
Prosthetic restorations:		Treatments, sedative	27,892
Bridges	170	Vincent's stomatitis (cases)	681
Crowns, gold	80	Other operations and treatments	25,151
Dentures	348	Total operations and treatments	305,872

RECRUITING

TABLE 7.—*Recruiting statistics, Navy and Marine Corps, for the calendar year 1924*

Character	Navy			Marine Corps		
	Original	Reenlistment	Reserve	Original	Reenlistment	Accepted applicants
Total applicants	45,615	7,825	828	26,740	2,123	4,997
Total enlisted	14,828	6,706	613	5,068	1,611	4,169
Examined by medical officer	40,210	7,772	828	20,245	2,006	4,978
Rejected by medical officer	19,582	575	200	12,121	246	343
PRINCIPAL CAUSE OF REJECTION BY MEDICAL OFFICER						
Diseases of circulatory system:						
Heart affections	1,388	54	12	904	19	24
Varicocele and varicose veins	679	18	14	486	15	7
All other diseases of the circulatory system	11	1		1		
Diseases of digestive system:						
Hemorrhoids	179	9	1	179	7	
All other diseases of the digestive system	21			3		1
Diseases of ductless glands and spleen:						
Goiter or tendency to	164	5		136	1	4
All other diseases of the ductless glands and spleen	4					
Diseases of ear, nose, and throat:						
Defective hearing	374	25	14	305	6	3
Mastoid conditions	5			1		
Other auditory affections	673	26	3	376	7	43
Nasal affections	118	1		238	5	10
Tonsillar conditions	83	2		57		1
Other conditions of throat	5			1		
Diseases of eye and adnexa:						
Color blindness	905	21	3	430	6	2
Errors of refraction	3,098	69	76	1,718	17	4
Other eye conditions	196	8	1	109	1	5
Diseases of genito-urinary system (non-venereal):						
Abnormalities of genital organs	260	8	1	86	1	4
Albuminuria	95	5				
Enuresis	32					10
Nephritis	7			2		1
Other genito-urinary conditions	89	1	1	34		3
Tuberculosis:						
All forms or suspects	249	10	1	187	6	5
Venereal diseases:						
All venereal diseases	393	50		314	29	59
Diseases of lymphatic system:						
All conditions	18	1		3		
Diseases of the mind:						
All mental diseases or disorders	181	7		123	8	31
Diseases of motor system:						
Ankylosis of joint	1					
Arthritis or other joint affections	1	2				
Bunion	13					3
Flat foot	1,917	12	12	1,649	17	17
Hallux valgus	1			5		
Hammertoe	29			27		
Overriding toes	4			8		
Rheumatism, muscular	3			1		1
All other diseases of the motor system	13			7		
Diseases of nervous system:						
Epilepsy	13			1		1
Stammering and defective speech	60	1		22		
Other diseases of nervous system	9	1				
Diseases of respiratory system:						
Asthma	5			5		
Bronchitis	18	1		5		
Other respiratory conditions	22			3		
Diseases of hair, skin, and nails:						
Bromidrosis	6			20		2
Ingrowing nail	11			7		1
Skin diseases	477	18	1	372	5	7
Unsightly scars and marks	19			3		
Hernia:						
All forms of hernia	460	14		437	9	27

TABLE 7.—*Recruiting statistics, Navy and Marine Corps, for the calendar year 1924*—Continued

Character	Navy			Marine Corps		
	Original	Reenlistment	Reserve	Original	Reenlistment	Accepted applicants
PRINCIPAL CAUSE OF REJECTION BY MEDICAL OFFICER—continued						
Miscellaneous diseases and conditions:						
Alcoholism	2			1		
Deformities	1,463	25	22	1,075	16	36
Height, over	9			16		
Height, under	682	10	1	349	3	3
Height and weight, under	6					1
Obesity	18		1	4		
Pediculosis	9	2				
Poor physique	486	10	1	210	5	6
Weight, over	5	1		11	2	
Weight, under	2,076	72	11	918	18	13
All other unclassified conditions	55	3		19	2	2
Tumors:						
All tumors	12	1			1	
Injuries:						
All disability resulting from injury, not otherwise classified	39	4		6	1	1
Dental diseases and conditions:						
Abnormalities of teeth	1					
Defective teeth	2,307	75	17	1,229	39	5
Pyorrhoea	103	2		18		

E. R. STITT.

ANNUAL REPORT OF THE BUREAU OF AERONAUTICS, UNITED STATES NAVY

NAVY DEPARTMENT,
BUREAU OF AERONAUTICS,
Washington.

From: The Chief of Bureau of Aeronautics.
To: The Secretary of the Navy.
Subject: Annual Report, Bureau of Aeronautics, fiscal year 1925.

The following is the annual report of the Bureau of Aeronautics for the fiscal year ending June 30, 1925.

The work of the bureau covered the manifold activities connected with the following units of the aeronautical organization of the Navy:

FLEET AIR SQUADRONS

Aircraft squadrons, Battle Fleet.—

U. S. S. *Aroostook* (flagship and tender).
U. S. S. *Langley* (experimental carrier).
U. S. S. *Gannet* (tender).
VO–1, Observation Squadron 1.
VO–2, Observation Squadron 2.
VO–4, Observation Squadron 4.
VF–1, Fighting Squadron 1.
VF–2, Fighting Squadron 2.
VS–2, Scouting Squadron 2.

The U. S. S. *Aroostook* was the squadron flagship until relieved by the U. S. S. *Langley* on December 1, 1924. VO Squadron 1 supplied the aviation sections aboard the battleships. VO Squadron 2 based at San Diego except during the fleet maneuvers, when planes and personnel were carried aboard the battleships. VF Squadrons 1 and 2 based at San Diego except during the period of fleet maneuvers, when VF–1 was carried aboard the battleships and VF–2 operated from the U. S. S. *Langley*. VS Squadron 2 based on the U. S. S. *Aroostook*.

The naval air station, San Diego, Calif., is the shore base for aircraft squadrons of the Battle Fleet.

Aircraft squadrons, Scouting Fleet.—

U. S. S. *Wright* (flagship and tender).
U. S. S. *Sandpiper* (tender).
U. S. S. *Teal* (tender).
U. S. S. *Patoka* (tender).
ZR–1, U. S. S. *Shenandoah* (rigid airship).
VS–1, Scouting Squadron 1.
VT–1, Torpedo and Bombing Squadron 1.
VO–3, Observation Squadron 3.
VO–6, Observation Squadron 6.

The U. S. S. *Patoka* acted as tender to the *Shenandoah*. VS Squadron 1 and VT Squadron 1 based on the U. S. S. *Wright*; VO Squadron 3 on nine light cruisers; and VO–6 on Hampton Roads, awaiting installation of catapults on battleships of Scouting Fleet. During cruises of the battleships, two planes of VO–6 were carried on each ship and operated by hoisting over the side and taking off from the water.

The naval air station, Hampton Roads, Va., is the shore base for aircraft squadrons of the Scouting Fleet.

Aircraft squadrons, Asiatic Fleet.—

U. S. S. *Ajax* (flagship and tender).

VT–20, Torpedo and Bombing Squadron 20.

The U. S. S. *Ajax* was relieved as flagship and tender by the U. S. S. *Jason* on June 3, 1925.

AIRCRAFT SQUADRONS, NAVAL COAST DEFENSE FORCES

(*a*) Chesapeake Bay region (naval air station, Hampton Roads, Va.).

(*b*) San Diego region (naval air station, San Diego, Calif.).

(*c*) Panama Canal Zone region (naval air station, Coco Solo, Canal Zone).

(*d*) Hawaii region (naval air station, Pearl Harbor, Hawaii).

OTHER ORGANIZATIONS AND ESTABLISHMENTS

(1) For bureau administration and work in connection with design, production, inspection, and test of aircraft material:

- (*a*) Bureau of Aeronautics.
- (*b*) Naval air station, Anacostia, D. C.
- (*c*) Naval air station, Lakehurst, N. J.
- (*d*) Experimental aviation torpedo detail, Newport, R. I.
- (*e*) Experimental aviation ordnance detail, Dahlgren, Va.
- (*f*) Material inspection details.
- (*g*) Naval Aircraft Factory, Philadelphia, Pa.
- (*h*) Helium project.
- (*i*) Details abroad.
- (*j*) Detail to the board of inspection and survey.

(2) For training of personnel:

- (*a*) Naval air station, Pensacola, Fla.
- (*b*) First naval district (naval reserve training unit, Squantum, Mass.).
- (*c*) Third naval district (naval reserve training unit, Fort Hamilton, N. Y.).
- (*d*) Ninth naval district (naval reserve training unit, Great Lakes, Ill.).
- (*e*) Aviation Mechanics' School, Great Lakes, Ill.
- (*f*) Postgraduate detail (includes Massachusetts Institute of Technology).
- (*g*) Detail to Naval War College.

(3) Inactive naval district air stations:

- (*a*) Naval air station, Chatham, Mass.).
- (*b*) Naval air station, Cape May, N. J.
- (*c*) Naval air station, Rockaway, Long Island, N. Y.

OFFICER PERSONNEL

During the past fiscal year the shortage of naval aviators has been keenly felt throughout the Navy. The demands of expansion and of increased activities are far in excess of the proportion of qualified personnel gained during this time.

Every effort has been made to increase the familiarity of all officers with the aims and requirements of naval aviation and to encourage volunteers from the younger officers for assignment to this duty.

Despite unusually heavy casualties, a net gain of 54 naval aviators has been made during the past fiscal year, but a greater yearly increase is necessary to meet the demands of the service.

	July 1, 1922	July 1, 1923	July 1, 1924	July 1, 1925
Naval aviators	314	326	328	382
Student naval aviators	61	33	47	35
Line ground officers	105	91	42	17
Staff ground officers	115	134	101	99
Naval observers	----------	6	5	5
Officers having flight orders	----------	10	13	16
Total	595	600	536	554

ENLISTED PERSONNEL

Due to the continued shortage of enlisted personnel which has existed throughout the Navy during the past fiscal year, it has been necessary to continue the operation of 12-plane squadrons instead of expanding to the authorized 18-plane squadrons for the fleet aviation units. Aircraft operations at the various air stations have necessarily been extremely curtailed.

The reduction in enlisted personnel assigned to aviation duties in the past three years is shown in the following table:

	July 1, 1922	July 1, 1923	July 1, 1924	July 1, 1925
Aviation ratings	2,209	1,612	1,788	1,711
General service ratings	2,422	2,104	1,814	1,597
Total	4,631	3,716	3,602	3,308

Material increase in the number of enlisted personnel assigned aviation activities is required.

OPERATIONS AFLOAT

AIRCRAFT SQUADRONS, BATTLE FLEET

VF Squadron 1.—In January it was decided to operate VF Squadron 1 from the battleships. The TS land planes of that squadron were overhauled, fitted with pontoons, and new engines installed. The squadron reported to the commander in chief, Battle Fleet, on March 31, 1925, for duty, and the planes were assigned to the following ships: *West Virginia, New Mexico, Pennsylvania, Tennessee, Maryland, Idaho, Arizona, Oklahoma, Nevada, California,* and *Mississippi.* The planes operated from the various battleships and took active part in the attack on Oahu.

VF Squadron 2.—In July, 1924, six planes of this squadron flew from San Diego, Calif., to Sand Point Field, Seattle, Wash., to participate in the fleet maneuvers in the Puget Sound area. Upon the completion of these maneuvers the planes returned to San Diego, arriving there in September. Gunnery and tactical training was immediately taken up. Special flights were made to escort the Secretary of the Navy to Riverside, Calif., to escort the Army around-the-world flight into San Diego, and to escort the U. S. S. *Shenandoah* from San Diego to Los Angeles. On December 10, 1924, Lieut. Arthur Piers Thurston, United States Navy, of VF Squadron 2, was killed in a seaplane accident. In January, 1925, the pilots of VF Squadron 2 were trained in landing on board a carrier.

Pilots, planes, and enlisted personnel of VF Squadron 2 operated from the U. S. S. *Langley* during fleet problem No. 5, held off the Guadeloupe Islands; during the Battle Fleet force practice held in the San Pedro area in March; during the joint Army and Navy maneuvers off Oahu, Hawaii; and during the fleet maneuvers off Lahaina, Maui, Hawaii. Upon the completion of these maneuvers VF Squadron 2 returned to the naval air station, Pearl Harbor, Hawaii, to carry on gunnery and tactical maneuvers. On June 23, 1925, during these maneuvers Lieut. Commander Nathan B. Chase, United States Navy, commanding officer of VF Squadron 2, was killed when his plane crashed to earth after a collision in the air, the collision occurring while his group was engaged in developing fighting tactics. The trophy for gunnery excellence for the gunnery year 1924–25 was awarded to VF Squadron 2.

VS Squadron 2.—On July 1, 1924, this squadron was in commission as a scouting squadron with six H–16 and six HS–2L planes. The following operations were carried out during the fiscal year 1924–25: Communication exercises with the fleet; antiaircraft towing, sleeve targets being towed for the Battle Fleet antiaircraft practice; photographic flights for the purpose of obtaining photographic results of the Battle Fleet gunnery practices; torpedo rceovery, the HS–2L Division working in conjunction with the destroyer squadrons, Battle Fleet; smoke-screen tests, landing flare tests, parachute flare tests; flight from San Diego, Calif., to Seattle, Wash., and operations with Battle Fleet in the Puget Sound area; gunnery and bombing exercises; bombing demonstration for Battle Fleet; passenger and mail service between San Diego and San Pedro carrying out a definite schedule of flights; night flying exercises; and fleet utility work in Hawaii.

VO Squadron 2.—A regular course in cross-country flying for all pilots covering an area between the Pacific Ocean, Mexico, Santa Barbara, and Yuma, Ariz., was held and a certificate given to each pilot upon the completion of the course. The planes used were of the DH–4B type. A concentration was made on gunnery during the first part of the fiscal year, in order that the planes could be converted to radio planes for spotting operations with the fleet. That the gunnery exercises were successful is shown by the fact that 9 out of the 12 firing planes were awarded gunnery "E's." Twelve officers and forty-two men were trained in gunnery during the period of this report. Forty-five officers and thirty chief petty officers were trained in radio. Forty-five officers were trained in day and night spotting during the fiscal year. From an operating observation

squadron the status was changed to a training school and feeder for ship-plane units, and a section known as the "ship-plane repair detail" was organized. This detail consists of 2 officers and 20 men. It was transferred intact to the *Medusa* and is now functioning on board that vessel as a repair unit for VO Squadron 1. Complete catapult crews for battleships were trained, and as soon as the catapult installations were completed on board the ships of the fleet trained catapult aviation units were sent on board. Twenty officers and seventy men were trained in this manner during the period of this report.

VO Squadron 1.—This squadron bases on and operates from the various battleships of the fleet. Excellent results have been obtained from the spotting of the ship's fall of shot by these planes. Radio communication from ship to plane, and from plane to ship, has greatly improved during the past year. Valuable information has been sent in by these planes during fleet maneuvers. During the year all units obtained high proficiency in catapult operation.

U. S. S. "Aroostook."—This vessel was the flagship of the aircraft squadrons, Battle Fleet, from June to December, 1924, when it was relieved as flagship by the *Langley*. It also acted as tender to VS Squadron 2 in San Diego, Seattle, San Pedro, and in Hawaii.

U. S. S. "Langley."—From July to October, 1924, this vessel underwent changes in its airplane arresting gear at the navy yard, Norfolk, Va. It acted as station ship during the Schneider cup races at Baltimore in October, and later proceeded to San Diego, Calif., where it became the flagship of the aircraft squadrons, Battle Fleet. In December the *Langley* took part in the tactical exercises with the Battle Fleet. Various types of planes which had not previously been flown aboard were successfully flown from the ship and alighted on her deck. Planes alighted on deck at night for the first time, and both seaplanes and land planes of the heaviest types were launched from catapults. The *Langley* participated in fleet problem No. 5 in the Battle Fleet force practice, in the joint Army and Navy maneuvers off Hawaii, and in the fleet tactical exercises at Lahaina, Maui, Hawaii.

AIRCRAFT SQUADRONS, SCOUTING FLEET

VS Squadron 1.—During July and August, 1924, planes of VS Squadron 1 took part in scouting operations of the Scouting Fleet in the Narragansett Bay and Nantucket areas. Long-distance scouting flights were made. From September 18 to October 9, 1924, this squadron acted as torpedo recovery detachment for the torpedo firing of the Scouting Fleet held off the Virginia Capes. All torpedoes were spotted and recovered. Upon completion of these exercises preparations were made for the trip to Hawaii and all planes were transported on the *Jason* and *Wright* to Pearl Harbor.

During the joint Army and Navy maneuvers off Oahu VS Squadron 1 acted as part of the defense force of that island. Oversea scouting and bombing operations were carried out. During the operations no forced landings occurred, the communication was excellent, and simulated bombing attacks against the fleet were carried out. During the combined attack on the enemy forces on the morning of April 27, 1925, VS Squadron 1 participated as a squadron, and in

addition seaplanes of the squadron acted as safety escorts for the Army bombers.

In conjunction with VT–1, VP–14, and Army planes this squadron covered the sortie of the fleet from Oahu. All approaches were patrolled before and during the sortie, and the scouting planes followed. A "well done" was received from the commander in chief for this work.

VT Squadron 1.—This squadron participated in the operations with the fleet in the Narragansett Bay and Nantucket areas in July and August, 1924. Bombing and torpedo attacks were simulated during these exercises and the annual gunnery and bombing practices were carried out in Hampton Roads during the period between September 1 and October 31, 1924. From October 3 to October 21 VT Squadron 1 towed antiaircraft targets for the antiaircraft practices of the light cruisers. Also practices B, C, and D were fired by the U. S. S. *Arkansas, Wyoming, Utah,* and *Texas.* Observation planes were supplied during these exercises. In November, 1924, bombing practice and later actual bombing of the ex-battleship *Washington* took place. VT Squadron 1 was transported to Pearl Harbor, Hawaii, where bombing training and formation bombing practice were held with satisfactory results. During the joint Army and Navy maneuvers night defense patrols were carried on without casualty of any sort. Offensive bombing operations were carried out against the Scouting Fleet during the landing of that force on April 27, 1925. This squadron also took part in the fleet sortie from Oahu, acting as attack (bombing) units.

VO Squadron 3.—After preliminary training at Hampton Roads, Va., VO Squadron 3 was transferred to the light cruisers of the Scouting Fleet. They participated in problem No. 5 in the Pacific, and in joint Army and Navy problem No. 3. The catapult operations of this squadron have been successful. The observation work has been good, and the planes were of great service to the Blue Fleet during the joint Army and Navy maneuvers.

VO Squadron 6.—Tests were conducted on the new MO–1 planes at Hampton Roads during the summer of 1924. In the fall the squadron took an extensive catapult course at the naval aircraft factory. In December the MO–1 planes were replaced by VE–7's and UO–1's. Hoisting gear was installed on the *Wyoming, New York, Arkansas,* and *Texas,* and personnel and planes from VO Squadron 6 were sent aboard these ships for winter operations. Excellent results were obtained in spotting and communications. Upon the completion of the maneuvers the squadron returned to Hampton Roads to operate from the air station there. The *New York, Arkansas,* and *Texas* were each furnished with one UO–1 plane, crew, and spares, for instruction of the midshipmen during their summer cruise.

U. S. S. Wright.—The *Wright* acted as tender to the aircraft squadrons, Scouting Fleet, and gave excellent service to the squadrons.

U. S. S. Patoka.—The *Patoka* has carried on experiments with the *Los Angeles* and *Shenandoah.* The *Shenandoah* moored to the *Patoka* for the first time in August, 1924, off Newport, R. I., since which time moorings have been made with both airships in various localities.

U. S. S. Sandpiper and U. S. S. Teal.—These two tenders accompanied the *Wright* to Panama, San Diego, and Hawaii, and have been very efficient in the performance of their work.

AIRCRAFT SQUADRONS, ASIATIC FLEET

VT Squadron 20.—This squadron operated in Asiatic waters, basing on the *Ajax* during the year. Bombing practices, spotting exercises, and reconnaissance flights were carried out. The squadron is operating on a reduced scale.

MISCELLANEOUS OPERATIONS

MacMillan Arctic Expedition.—A naval aviation unit of three planes under Lieut. Commander R. E. Byrd, U. S. Navy, retired, was assigned to the MacMillan Arctic Expedition for the purpose of conducting aerial exploration in the Arctic, and sailed in the steamship *Peary* from Wiscasset, Me., in June.

San Francisco-Honolulu flight.—Preparations are being made for a flight to Hawaii from the west coast of the United States. Three planes are to be used, one PB–1, and two PN–9's. Commander John Rodgers, U. S. Navy, has been assigned to command the air unit, with Lieut. Commander J. H. Strong and Lieut. A. P. Snody, U. S. Navy, in command of the other two planes.

Schneider cup race.—The international seaplane race for the Schneider cup which the United States Navy won at Cowes, England, last year was to have been held this year at Baltimore, Md. For this race the Navy had prepared for entry three seaplanes, but owing to the failure of any foreign country to make entries the race was postponed until 1925.

Naval air station, Pensacola, Fla.—This station carried on the work of primary training for the Navy heavier-than-air pilots. The naval aviator's course includes primary and advanced flying, ground school, gunnery, bombing, combat, observation, and torpedo plane work. Schools for enlisted men in radio, aerology, and photography are also conducted.

Naval air station, San Diego, Calif.—This station functioned primarily as a fleet aircraft base for the overhaul of engines and aircraft for the aircraft squadrons, Battle Fleet. All shops have increased their activities during the past year. In addition to the regular work, particular attention has been paid to communications, aerology, photography, and pigeon training. A mosaic map of Naval Shale Reserves Nos. 1 and 2 was made by the flight department.

Naval air station, Hampton Roads, Va.—This station functioned primarily as a fleet aircraft base for the overhaul of engines and aircraft of the aircraft squadrons, Scouting Fleet. During the fiscal year four classes of enlisted reservists completed the prescribed course of instruction for advanced aviation training and were recommended for designations as naval aviators, and for examinations for appointments as ensigns, United States Naval Reserve Force, class 5.

Naval air station, Anacostia, D. C.—The primary mission of this station is the testing of aircraft and accessories, and an extensive amount of this work has been carried out during the past year. Numerous flights also were made for inspection purposes and for the transportation of personnel; also various reserve officers received training during the year.

Naval air station, Coco Solo, Canal Zone.—This station is operated for assisting in the naval defense of the Panama Canal, and was utilized as an aircraft repair base for fleet aircraft. During the San

Blas Indian rebellion flights were made to the Gulf of San Blas to transport the American minister to Panama and various Panaman officials. A trip was also made to Caledonia to take medical assistance to Doctor Baer, explorer of the Smithsonian Institution, and various trips were made to outlying radio stations to give needed medical aid to the personnel of these stations. Torpedo-recovery work was carried on for the submarines operating in the Canal Zone, and a course in ground school and flight training was given to an officer of the Peruvian Navy.

Naval air station, Pearl Harbor, Hawaii.—This station has been employed principally as a base for fleet aircraft, and also for VT Squadrons 14 and 19 of the district naval forces of the Hawaiian Islands. In September, 1924, two F–5–L's were dispatched to the Island of Kauai to carry the governor of Hawaii's representative and the secretary of the Hawaiian Sugar Planters' Association to the scene of the strike riots. Both the aircraft squadrons, Scouting Fleet and Battle Fleet, based at this station at various times during the past year. During the joint Army and Navy maneuvers the planes of this station took an active part in the defense of Oahu, and the station itself acted as the main base for the defending forces. Mosaic maps were made of Pearl Harbor and of Lahaina Roads during the periods that the fleet operated from these bases. The maps showed the fleet at anchor, the space allotted and available for ships, the areas remaining for seaplane maneuvering, and the unusual current and wind conditions.

Naval air station, Lakehurst, N. J.—This station operated primarily as a base for naval airships and as a lighter-than-air training station. The *Shenandoah* and *Los Angeles* were operated from here during the year. Details of the principal flights are given later in this report. Various officers received training as naval aviators (airship), and officers and enlisted men of both the Army and Navy took the course of training at the Parachute School.

United States Naval Academy, Annapolis, Md.—Under date of May 5, 1925, the Secretary of the Navy initiated a three months' summer course in theoretical and practical instruction in aeronautical subjects. One hundred and fifty of the present first class were retained at the Naval Academy to take this course.

United States Marine Corps.—Marine Corps aviation activities are covered in a separate section of this report.

United States Naval Reserve Aviation Unit, Squantum, Mass.—The mission of this station is to give flight training to newly enrolled seamen, second class, of the reserve force to be later qualified as naval aviators and to give active duty training to aviation personnel of the reserve force.

United States Naval Reserve Aviation Unit, Fort Hamilton, N. Y.—This station was commissioned on August 13, 1923, to perform the same functions as the station at Squantum.

United States Naval Reserve Aviation Unit, Great Lakes, Ill.—This station was commissioned on December 14, 1923, to perform the same functions as those performed at Squantum and New York.

Aviation detail, naval proving ground, Dahlgren, Va.—Flights were carried out during the year in connection with the experimental development work of the Bureau of Ordnance.

Naval aircraft factory, Philadelphia, Pa.—Flying operations at the naval aircraft factory were confined to tests of the various types of aircraft, and to flights in connection with catapult tests and training.

Analysis of flight operations

Purpose	Flights	Hours	Minutes
Administrative	5,626	3,907	24
Aerological	190	115	25
Altitude test	37	47	28
Bombing	1,786	2,224	29
Catapult shots	70	25	55
Communication	123	39	53
Emergency	18	19	42
Extended	4,017	5,369	37
Gunnery	5,555	3,738	41
Inspection	382	313	28
Flare dropping	3	3	45
Infantry contact	20	17	0
Mail trips	44	50	15
Navigation	358	460	7
Night flying	51	24	40
Observation	1,476	787	29
Parachute jumping	9	4	10
Photographic	1,047	992	23
Pigeon training	241	311	18
Smoke screen	1	0	35
Postgraduate training	143	18	35
Radio communication	817	662	25
Scouting	991	1,159	28
Special	99	101	25
Spotting	247	387	57
Tactical	10,282	7,084	0
Test	22,099	8,671	10
Torpedo	230	410	20
Training and instruction (qualified pilots)	22,559	7,258	49
Training and instruction (students)	18,990	15,920	20
Transportation	3,878	3,663	18
	101,389	63,791	31

Flight operations

HEAVIER THAN AIR

	Flights	Hours	Minutes
Aircraft squadrons, Battle Fleet	27,631	12,700	37
Aircraft squadrons, Scouting Fleet	9,139	7,198	07
U. S. S. Langley (July 1, 1924, to Dec. 1, 1924, during which time Langley was experimental ship)	1,950	339	45
Aircraft squadrons, Asiatic Fleet (VT Squadron 20)	911	722	03
Naval air station, Anacostia, D. C	6,956	2,955	27
Naval mission to Brazil	207	45	37
Naval air station, Coco Solo, Canal Zone	1,301	753	09
Naval air detail, Dahlgren, Va	459	493	14
Naval aviation reserve unit, Fort Hamilton, N. Y	1,577	713	12
Naval aviation reserve unit, Great Lakes, Ill	2,177	1,335	28
Naval air station, Hampton Roads, Va	3,045	2,177	56
Naval air station, Lakehurst, N. J	105	21	51
Naval aircraft factory, Philadelphia, Pa	1,017	361	28
Naval air detail, Newport, R. I	406	209	31
Naval air station, Pearl Harbor, Hawaii	1,646	1,542	15
Naval air station, Pensacola, Fla	21,437	19,638	40
Naval air station, San Diego, Calif	4,031	3,135	40
Naval aviation reserve unit, Squantum, Mass	1,452	1,327	13
Total	85,447	55,671	13

UNITED STATES MARINE CORPS

Scouting Squadron 1, Sumay, Guam	1,630	555	30
Observation Squadron 2, Port-au-Prince, Haiti	1,805	1,721	25
First Aviation Group, MB, Quantico, Va	10,315	4,057	58
Observation Squadron 1, San Diego, Calif	2,192	1,785	25
Total	15,942	8,120	18

Flight operations—Continued

LIGHTER THAN AIR

	Flights	Hours	Minutes
Naval air station, Lakehurst, N. J.:			
Dirigibles—			
U. S. S. Shenandoah	25	645	10
U. S. S. Los Angeles	33	639	57
Free balloons	43	75	20
Kite balloons	3,237	299	24
Nonrigid J-1	49	75	49
Total	3,387	1,735	40
Total heavier than air, U. S. Navy	85,447	55,671	13
Total heavier than air, U. S. Marine Corps	15,942	8,120	18
Total heavier than air (Navy and Marines)	101,389	63,791	31
Total lighter than air (Navy)	3,387	1,735	40
Grand total	104,776	65,527	11

Personnel casualties

Station	Flying hours	Crashes	Flying hours per crash	Killed	Serious injuries	Minor injuries
Anacostia	2,955	11	268	0	0	4
Battle Fleet (including all ships and squadrons)	12,700	53	240	13	4	7
Scouting Fleet (including all ships and squadrons)	7,198	12	600	5	1	1
Mission to Brazil	45	0	----------	0	0	0
Coco Solo, Canal Zone	753	0	----------	0	0	0
Dahlgren, Va	493	1	493	0	0	0
Fort Hamilton, N. Y	713	2	356	0	0	1
Great Lakes, Ill	1,335	2	667	0	0	1
Hampton Roads, Va	2,177	8	272	4	0	1
Lakehurst, N. J	22	0	----------	0	0	0
Naval aircraft factory	361	4	90	1	0	0
Guam	555	0	----------	0	0	0
Asiatic Fleet	722	3	240	0	0	0
Newport, R. I	209	0	----------	0	0	0
Pearl Harbor, Hawaii	1,542	5	308	0	0	3
Pensacola, Fla	19,638	36	545	5	4	14
Port au Prince	1,721	3	574	2	0	0
Quantico	4,057	13	312	1	0	0
San Diego	3,135	5	627	1	0	0
San Diego (marines)	1,785	0	----------	0	0	0
Squantum	1,327	4	332	0	0	1
U. S. S. Langley (from July 1, to Dec. 1, 1924)	339	4	85	0	0	0
Total	63,782	166	6,009	32	9	33

In addition to the above, 1 civilian killed in crash at Hampton Roads, Va., December 23, 1924. Merritt Gordon Flanders, attached to U. S. S. *Vega*, killed October 16, 1924.

Fatalities for fiscal year 1924–25

	Aviators	Student aviators	Flight orders	Enlisted men	
				N. A. P.	Flight orders
Regular Navy	11	1	1	3	11
Reserves	1	----------	----------	----------	----------
Marines	1	----------	----------	1	2
Total	13	1	1	4	13

TRAINING

During the course of the fiscal year 1925 flight training for initial qualification as pilots (heavier than air) has been concentrated and carried on at Pensacola, Fla.

The training at Pensacola is very complete and thorough. The course comprises primary and advanced seaplane flight instruction and primary flight instruction in land planes for all students. Upon completion of this portion of the course, the class is then divided into groups for special advanced training for combat, observation, scouting, torpedo, and bombing operations. When the training at Pensacola is completed, the members of the class are ordered to various service units for duty in the aeronautical organization of the Navy.

In addition to the above training, schools for aerologists, radiomen, photographers, aviation machinist's mates, carpenter's mates, metal smiths, riggers, and catapult operations, and the test, care, operation, and maintenance of parachutes have been maintained.

The Bureau of Aeronautics, cooperating with the Bureau of Navigation, has been preparing for issue to general service Navy educational study courses in aerology, aviation machinist's mates, carpenter's mates, metal smiths, and riggers.

During the fiscal year a total of 176 officers were under instruction for aviation pilots and three for aviation observers. Of this number 66 qualified as pilots, 25 were still under instruction for pilots, and 3 under instruction for observers at the close of the fiscal year.

One of the outstanding features of the year involving training of personnel for the naval aeronautical organization has been the admission of aviation subjects to the curriculum of the United States Naval Academy. The bureau has assisted wherever possible in furthering the new course in aviation instituted at the United States Naval Academy.

The U. S. S. *Langley*, the Navy's first aircraft carrier, joined the Aircraft Squadrons, Battle Fleet, in December, 1924. VF–2 was the first squadron trained to operate as a squadron from a carrier. As other squadrons and pilots become available, the *Langley* will be used for this training.

Considerable progress and training has been made in the art of aerial navigation. All air stations and aircraft squadrons have devoted considerable time and energy on this problem.

Effort has been expended along the lines of astronomical observations, running down radio bearings, and flying by dead reckoning.

LIGHTER THAN AIR

The training of officers and men in lighter-than-air work has been conducted at the naval air station, Lakehurst, using the U. S. S. *Shenandoah*, the *Los Angeles*, the nonrigid *J–1*, and free balloons.

Seven officers have completed training and have been designated naval aviators (airship).

Eleven officers have partially completed training.

Sixteen men completed the course in the Parachute School and were awarded certificates of graduation.

In addition to the above a number of Army officers and men have been trained in lighter-than-air work during the year.

NAVAL AVIATION RESERVES

At the beginning of the fiscal year 1925 a great deal of interest had been aroused throughout the country in the Naval Aviation Reserve Force. Hundreds of applications from civilians for aviation training have been received. Due to the limited appropriations for this purpose, training was limited to 60 new students per year and to 188 class 5 and class 6 officers for 15 days' active duty for training.

Training was given at Squantum, Fort Hamilton, N. Y., Great Lakes, Ill., Hampton Roads, Pensacola, San Diego, Lakehurst, and a few with the fleet.

At the beginning of the year Squantum and Great Lakes were operating as single units. During the latter part of the summer, 1924, these two stations were authorized to operate as double units with single-unit personnel. In the spring of 1925 they were authorized to operate in every respect as double-unit stations.

At the beginning of the fiscal year there were enrolled 84 class 5 officers and 136 class 6 officers. Sixty enlisted men in aviation ratings were authorized for class 5.

On June 30, 1925, there were 132 class 5 and 245 class 6. The number of enlisted men remained the same.

A total of 168 fifteen-day periods were used in training officers. Of this number approximately 15 were repeats, leaving 153 officers receiving training duty. This compares very favorably with results of the year before, when 55 officers of class 5 and 6 received 15 days' training. This represents an increase of 178 per cent.

In the spring of 1925 the Chief of Naval Operations authorized the establishment of a single unit in the vicinity of Seattle, Wash. Operations are due to commence July 1, 1925. This station will be established at the Sand Point field on Lake Washington.

The city of Seattle has promised to erect a hangar and the county commissioners of King County will build a runway.

The Aviation Reserve is now allowed a quota of approximately 780 enlisted men.

LIGHTER THAN AIR

Training for reserve aviators, lighter than air branch, was made available in the latter part of the fiscal year. Nine officers took advantage of this opportunity and proceeded to the naval air station, Lakehurst, for this training. These officers were trained in free balloons and in the rigids *Shenandoah* and *Los Angeles*.

Table of flying time

	Flying time		Crashes	Fatalities
	Hours	Minutes		
Squantum	1,327	13	1	0
Fort Hamilton	713	12	2	0
Great Lakes	1,064	22	2	0
Hampton Roads	1,768	0	1	0
San Diego	183	0	0	0
Anacostia	115	0	0	1
Pensacola	80	0	0	0
Total	5,250	47	6	1

There was only one fatality as a result of reserve flying. Lieut. Herbert Schiff was struck by a propeller of an H–16 while standing on runway preparatory to flight. He was killed instantly.

In order to promote safety in flying, the family of Lieutenant Schiff has presented to the Navy Department a cup to be known as the Herbert Schiff memorial trophy.

This trophy is competed for annually and will be awarded to the naval aviator who has compiled the highest number of flying hours during the fiscal year without serious injury to personnel or material. The winner will have his name engraved on the trophy and will be presented with a replica of the original.

Lieut. (Junior Grade) Reginald Des Noyes Thomas, United States Naval Reserve Force, on permanent active duty at naval reserve air station, Squantum, Mass., has compiled the highest number of flying hours without injury to personnel or material and will be awarded the trophy. Lieutenant Thomas made 576 flights, totaling 583 hours 43 minutes.

MATERIAL ACTIVITIES

The Bureau of Aeronautics continued the policy of encouraging design and invention outside the naval service to the fullest extent. The bureau maintains an expert design staff capable of passing upon the designs and inventions submitted, and the closest practicable liaison is maintained with the operating units in order that the bureau may be in a position to indicate to contractors, designers, and inventors the needs of the service. Close liaison is also maintained between the design staffs of the contractors and the Army Air Service.

Procurement of aircraft is normally handled by contract after competitive bidding, and the bureau has endeavored in every reasonable and practicable way to encourage the aircraft trade in order to maintain a proper commercial organization in the United States which will at least form a nucleus for emergency conditions should they arise.

NAVAL AIRCRAFT FACTORY

The naval aircraft factory has been maintained in an active but reduced operating status. It continues to be the general base storehouse for all naval aircraft material and is an essential adjunct of the naval aeronautic organization. With the reduction of the number of air stations, it has been necessary to utilize the factory for the storage and distribution of material left over as a result of war-time activities, as well as for the storage and distribution of new material purchased. The naval aircraft factory furnishes an establishment where repair, overhaul, and emergency work can be handled promptly without the delay that would be necessary in writing detailed specifications and entering into a contract, the peculiar nature of such work making it impossible to write the specifications and estimate the amount of work involved until the work is well under way. It also carries on the experiments of a confidential nature which must be undertaken under the direction of naval personnel. It is always capable of being utilized for the manufacture of standard aircraft in order to obtain reliable information as to cost. It is essential that such an organization be available in order to safeguard the Govern-

ment's interests. It is not, however, the policy of the bureau to authorize production orders at the factory under present conditions, as it is the desire of the bureau to allocate such work to the trade. A very small amount of experimental construction, such as the PN–9 development, is carried on at the factory. The naval aircraft factory is not used as a factory, but is a naval aircraft establishment engaged in experimental work, repair, and overhaul for the service, and a general storehouse for aviation activities.

During the present year no new aircraft have been constructed at the factory except three experimental planes. A few old planes have been overhauled, modernized, and issued for service.

AIRCRAFT FOR THE FLEET

The mission of the Bureau of Aeronautics and of its activities is to furnish to the fleet satisfactory types of planes for naval aerial development and use, primarily aboard ship. Fleet aviation requires small and handy combat planes of high performance, to be carried with the fleet; planes for scouting, observation, and spotting gunfire; torpedo and bombing planes for offensive use against an enemy fleet; and patrol planes of a satisfactory type for use with tenders for coastal and fleet work; this latter type generally precludes their being carried aboard ship, as great radius of action requires planes of dimensions that can not be satisfactorily stowed on shipboard. The development of all types has been pushed vigorously throughout the year, and material progress has been made in obtaining types suitable for the purpose intended.

Simultaneously with the development of special aircraft for fleet work, the problem of carrying these planes with the fleet has received the most careful consideration. It is obvious that aviation can be of greatest assistance to the fleet when it can accompany the fleet to any part of the world. The large flying boats working from harbors and bases on shore have proved serviceable, but in order to carry fighting, spotting, and torpedo planes with the fleet it is necessary either to carry the planes on regular ships of the fleet or on special aircraft carriers. Carrying aircraft on men-of-war involves many problems. One is the necessity for making no serious compromise with the fighting efficiency of the ship, which requires that fleet aircraft be small and compact for stowage on board. It has not only been proved possible but also entirely practicable to launch planes by means of catapults, and the installation of these catapults has been authorized by the department on various types of ships, and most of these installations have already been satisfactorily made; others are under way and the work is proceeding as rapidly as practicable under existing conditions. It is not yet practicable to provide sufficient deck space for planes to return again to the regular ships of the fleet. This requires that these planes must either be designed as seaplanes to alight on the water or they must alight on the flush deck of an airplane carrier. Work on the *Langley* has shown that this vessel is of great value as an experimental airplane carrier from which much needed data has become available for use in connection with the design and construction of the capital ship airplane carriers authorized by the Congress.

The bureau desires to invite the attention of the department and the attention of the service to the fact that in order to follow out a logical and progressive policy with regard to the procurement of satisfactory types of aircraft for fleet operations it is essential to go through two or three stages, all of which requires a long period of time, which fact does not seem to be appreciated or thoroughly understood by the service. These stages are:

(*a*) Design or experimental stage;
(*b*) Flight test stage; and
(*c*) Production stage.

The analogy to ship construction is apparent if the matter is given due consideration, but owing to the small size of aircraft as compared to other units of the naval service the fact is frequently lost sight of that it does require a long period of time to properly carry a design from its conception through to the delivery point of a production order. In order properly to carry on the work of the bureau and turn out products which will meet the requirements of operating conditions, it is essential that the stages enumerated above be carefully complied with and the necessary time allowed, as otherwise even the bureau's short experience has shown that results will be unsatisfactory. It is conservatively estimated that at least two years are required for an aircraft to pass through the above stages, and where serious difficulties are encountered three years are necessary. This applies not only to the aircraft itself but also to its propulsive equipment, which must go hand in hand with the airplane. Furthermore, service ideas based on operating experience which meet with the entire approval of the bureau require an extended period of time to be incorporated into existing planes and find their way back to the service. The service generally understands these matters but is sometimes impatient with delays involved in connection with the supply of aircraft of improved types. Careful consideration will, however, convince the service that the analogy between surface craft, submarines, and aircraft with regard to their design and production bears a very close relation, and if the real improvement that the service demands is to be obtained planes and engines must progress through the several stages enumerated.

METAL CONSTRUCTION FOR AIRPLANES

Very material progress has been made during the year in the development of metal as a structural material in airplane design. To date the most important application of metal construction in production planes has been the extensive adoption of metal tubular construction to succeed the old standard wood and wire truss for the framing of fuselages. At the present time several types of duralumin wings and pontoons are under construction to replace wood wings and pontoons in the further development of existing types of planes. The PN–9 patrol plane, built at the naval aircraft factory, is almost entirely of duralumin, including hull and tail structure. The saving in weight by the use of metal is the principal factor which enabled this plane to establish a world's record for seaplane endurance of 28 hours 35 minutes at Philadelphia on May 2, 1925. Looking

forward to quantity orders of metal aircraft, contracts are now under way for four different models of all metal three-purpose bombing, torpedo, and scouting planes.

METAL PROPELLERS

The development of metal propellers has progressed to the point where they are no longer considered an experimental project. Designs have been produced for all service types of planes and for experimental typs of planes now under way. Metal propellers will be supplied to the operating units as fast as the present stock of wooden propellers is exhausted. The problem of improving the resistance of metal propellers to the erosive action of spray has been solved and metal propellers can now be considered standard for the service.

COOPERATION WITH OTHER GOVERNMENT DEPARTMENTS

(*a*) *The National Advisory Committee for Aeronautics* has cooperated with and aided the bureau in every possible manner, particularly with regard to running numerous research problems and flight tests at the laboratory at Langley Field. This laboratory has successfully developed the Roots type supercharger, which has greatly increased the climb and ceiling of several test planes. As a result of these tests a semiexperimental order of superchargers is under way for test in service. A series of flight tests is under way to compare the performance of several model planes with and without gears in combination with superchargers and without superchargers. Tests have been made to determine the cause of peculiar features of balance and control on several planes.

(*b*) *Forest products laboratory.*—The bureau has continued to utilize the facilities and skilled personnel of the forest products laboratory, Forest Service, Department of Agriculture, to carry on researches in problems of wood technology.

The most important investigations conducted during the past year were as follows:

Tests of continuous beams under lateral loading.

Tests to study the use of plywood in airplane wing beams with special reference to the development of the most efficient and economical design of plywood for the webs. Investigation of the strength of hollow bolts in wood.

As a result of an investigation of the moisture content of wood in airplanes at various air stations, the Bureau of Aeronautics and the Army Air Service have standardized on a moisture content of 15 per cent for use in the design of wooden parts of aircraft. The laboratory has prepared a new table of the strength properties of common woods at this moisture content which will be used by both services.

The effect of different species of fungus on the shock resistance compression strength parallel to grain and specific gravity of Sitka spruce. A toughness-testing machine which has been developed by the laboratory appears to be the most reliable means of inspecting infected material.

A number of projects relating to the use of glue have been carried on, including routine testing of commercial waterproof glues, a study

on the effect of different surfacing of the wood on strength of the glued joint, and a note on the gluing of refractory woods.

Work has been continued with cold blood glue in an effort to improve the water-resisting qualities while still retaining a reasonably long working life. The laboratory has demonstrated that grade "A" plywood can be made with casein glue on an experimental scale and is attempting to put it on a commercial basis.

(*c*) *Bureau of Standards.*—It is desired to call attention to the valuable services rendered by the Bureau of Standards in various lines of experimental work, as referred to in various places in this report under the particular subjects involved. These lines of activity are summarized as follows:

Development of aviation instruments.
Development of substitute for goldbeater's skin.
Development of domestic parachute silk.
Tests of storage batteries.
Research in fuels and engine accessories.
Tests of airship experimental framing.
Various chemical and physical tests of material.

(*d*) *Institute of Industrial Research.*—The Institute of Industrial Research, Washington, D. C., has been retained by the bureau for the research and test of paint, varnish, dopes, and fabrics for all types of aircraft.

LAUNCHING AND ARRESTING

Installation of Type A, Mark I, catapults has been completed on 10 out of 12 battleships and on all scout cruisers (except one of the two catapults for the *Marblehead*). The remaining catapults are ready for installation when the vessels are available. A new type of car for this catapult, capable of launching either the UO–1 or TS–1 seaplanes, has been successfully tried out on the *Mississippi*. A further modification of this car, capable of launching heavier seaplanes, is under construction to be supplied eventually to the Mark I catapults on all battleships. New fighting and two-seated observation planes are under construction for use on Mark I catapults on battleships and scout cruisers.

The first Type P catapult (Mark III) for launching three-seated spotting planes has been installed on a turret of the *Mississippi* and has proved highly successful. Two improved catapults of this type are under construction for the purpose of launching the OL–1 amphibian spotter. Other types of three-seated spotters may be launched by furnishing different cars. A universal car will eventually be furnished for this type of catapult. The program of installing catapults of this type on a turret of all battleships will be carried out as funds permit.

A Type P turntable catapult to be known as the Mark V is now under design for use on the new light cruisers and possibly to replace the Type A, Mark I, catapult on battleships.

Experimental work in the development of catapult and arresting gear for aircraft carriers has progressed with the assistance of the U. S. S. *Langley*. The first catapult and the experimental arresting gear unit for the *Lexington* and *Saratoga* have been successfully tested, and the entire gear for these vessels is under construction.

CONSTRUCTION PROJECTS UNDER WAY

(1) CLASS VF, FIGHTING PLANES

(*a*) *R–3–C–1, two Curtiss single-seater land or sea planes, twin float.*—Curtiss V–1400 engines. For use in the Pulitzer and Schneider cup races.

(*b*) *F–6–C–1, nine Curtiss single-seater land or sea planes, single float.*—Curtiss D–12 engine. Development of the *PW–8–A*, for use with the fighting plane squadrons and on the *Langley*.

(*c*) *FB–1, 14 Boeing single-seater land planes.*—Curtiss D–12, Wright P–2, and Packard 1500 engines. Development of the *PW–9* for use with the fighting plane squadrons and on the *Langley*.

(2) VO, OBSERVATION PLANES

(*a*) *OL–2, five Loening two-seater amphibians.*—Liberty engine, inverted. Assigned to Marine Corps aviation units.

(*b*) *OL–1, two Loening three-seater amphibians.*—Packard 1500 engine, inverted. For use from the turret catapults on battleships for spotting work.

(*c*) *UO–1, 60 Vought two-seater, convertible seaplanes.*—Wright J engine. Standard plane used for spotting and reconnaissance work on battleships and cruisers.

(3) VS–VT, SCOUTING, TORPEDO, AND BOMBING PLANES

(*a*) *SC–1, 33 Martin two-seater, single-engine, convertible airplanes (twin-float seaplanes).*—Wright T–2 and T–3 engines. Three-purpose airplane, performing the duties of a scout, torpedo, or bombing plane.

(*b*) *SC–2, 40 Martin two-seater, single-engine, convertible airplanes.*—Improvement of the SC–1 with arrangements for deck landing and arresting.

(*c*) *SC–6, two Martin two-seater, single-engine, convertible airplanes.*—SC–1 with Packard 2500 engine, and arrangements for landing on aircraft carriers.

(*d*) *SC–7, one Wright two-seater, single-engine, convertible airplane.*—SC–1 airplane with a supercharged geared Wright T–3 motor.

(*e*) *TB–1, Three Boeing two-seater, single-engine, convertible airplanes (twin-float seaplane).*—Packard 2500 engine. All-metal improved three-purpose plane adapted to catapulting and deck arresting on aircraft carriers.

(*f*) *TN–1, two-seater, twin-engine, convertible airplane (twin-float seaplane).*—Wright P–2 engine. All-metal plane, improved three-purpose plane adapted for catapulting and deck arresting on aircraft carriers. An experimental order of one plane is being constructed at the naval aircraft factory.

(4) CLASS VF, PATROL PLANES

(*a*) *PB–1, one Boeing twin engine flying boat.*—Packard 2500 engine, geared. Especially designed for maximum range, estimated at 2,500 miles.

(*b*) *PN–10, two naval aircraft factory twin engine flying boats.*—Packard 1500 engines, geared. Service development of the PN–9 all metal.

(5) CLASS VN, TRAINING PLANES

(*a*) *NB–1, Boeing two-seater, convertible airplane (single-float seaplane).*—Wright "J" engine. Primary training plane.

(*b*) *NB–2, Boeing two-seater convertible airplane.*—Same as the NB–1 except Wright E–4 water-cooled engine is used.

WIND-TUNNEL WORK

The wind tunnel at the Washington Navy Yard is of indispensable assistance to the designer, and he makes use of its findings whenever possible. Experience has repeatedly shown that the balance and controllability indicated by the wind tunnel are reliable.

Tests completed during the fiscal year 1925 include routine tests on airplanes, airfoils, and wings, tests on parallel flap rudder control, elevator hinge moments of control surfaces, a test on quenching wind speeds for oil signal lamps, tests on kite balloons, airships, and tests on stream-lined target sleeves.

EXPERIMENTAL MODEL BASIN AERONAUTICAL TESTS

The experimental model basin at the Washington Navy Yard is used for general model-testing work by the Bureau of Construction and Repair. Tests on seaplane and pontoon models are made at the request of the Bureau of Aeronautics.

AIRCRAFT POWER PLANTS

In the past attention has been focused on weight and dependability in power plants. To an extent not paralleled in any other form of transportation the performance and utility of aircraft are limited by the degree of excellence of the power plants available, because the power plant not only propels but also in the case of airplanes is the sole means of support. The power plant is the heart of the airplane. No airplane is better than its power plant. During the past year efforts have been concentrated on refining existing power plants along these lines. In addition, attention has been given economy because economy of fuel determines the range and duration of flight or for a given range influences the weight and thus the performance of the aircraft. Along this line progress has taken two forms—first, improvement in economy of the power plant itself; second, improvement in operation of the airplane as a whole.

Increase in dependability.—Following the lines outlined in the previous report, improvements in dependability of the engine itself have been made. Criticisms and suggestions from the operating units have resulted in changes which have been incorporated in engines under construction and development. Since no engine is better than its accessories, a particular effort has been devoted to improving the dependability of these units. Work along these lines has taken the form of endurance tests, and in this work the services of the aeronautical engine laboratory are invaluable. In general, dependability has been obtained through normal operation at a lower percentage of the maximum power available.

Engine types.—In the water-cooled field proved engines are available up to 800 horsepower. In the air-cooled field engines are avail-

able from 60 to 200 horsepower and an experimental 400-horsepower engine has satisfactorily completed its flight tests. An intermediate size is being built. The water-cooled field has thus been well developed and proved types are available in any power desired for rapid production in cases of emergency. The aircraft-engine industry is so new that standardization is impossible. The bureau is, however, beginning to crystallize its ideas on the basis of engines rated normally at 200, 400, 600, 800, and 1,000 horsepower, which may be operated at intermediate powers on overload or underload, depending upon the degree of dependability required of the particular service. It is the purpose of the bureau to continue encouraging healthy development of engines by the aircraft-engine industry along the lines indicated. The use of the air-cooled engine with its low weight has forced the water-cooled engine to higher crankshaft speeds. This in turn has focused attention on reduction gears, satisfactory types of which are now available. On the basis of power-plant weight per horsepower, high-speed geared water-cooled engines are comparable with existing air-cooled types and the air cooled must now improve to retain their superiority.

Fuels.—Attention to economy of operation has naturally emphasized the importance of suitable fuels. Improvements in economy have taken the line of increased compression ratios. In general, the higher the compression ratio the greater the economy. A practical limitation to the compression ratio has been met in the tendency to detonation. Physical characteristics of the fuel itself determine the detonation in a given engine at varying compression ratios and the bureau has, therefore, interested itself in the development of these fuels. Successful operation at higher compression ratios has been attained through the use of certain blended and doped fuels. In order to focus the attention of the fuel industry on this subject, the bureau has sent out numerous circulars outlining the problem. The problem is naturally tied up with the general subject of distribution of fuels and their availability in quantities, but since the tendency in automotive development is along the lines of higher compession, the matter of distribution will ultimately take care of itself. The development of suitable fuels involves a large amount of laboratory and service testing. Here again the aeronautical engine laboratory is valuable.

Of the fuels experimented with in the past, the blend of anhydrous alcohol and gasoline has proven serviceable but not entirely suitable. Certain difficulties with regard to stowage prevent this fuel being entirely satisfactory. The blend of benzol and gasoline in proportions depending upon the compression ratio desired, has proved very satisfactory for warm-weather operation. There is some question, however, of the availability of benzol in the degree of purity required, and its tendency to form ice crystals at low temperatures precludes its general use. Domestic aviation gasoline "doped" with a small quantity of "ethyl fluid" gives excellent promise. This material has been rendered available in almost unlimited quantities. It has the added advantage that it may be carried in small quantities and mixed with ordinary gasoline as required. Two straight-run fuels involving special refining processes are now being tested and give considerable promise. Experiments will be continued in the coming year in the hope of developing a suitable fuel which will permit the realization of higher economy and higher powers.

Heavy-oil engines.—The investigations previously reported as being undertaken by the National Advisory Committee for Aeronautics with the support of the Navy Department is being pursued. The problem of burning heavy oil in minute quantities in extremely short periods of time still presents extreme difficulty. In the meantime the bureau is fostering experimental work paralleling the research work and it has put on test an experimental engine which is promising. The particular application of this type of engine is, for the immediate future, in power plants for lighter-than-air craft. Obvioulsy if an engine burning a safe fuel, such as heavy oil, could be installed in an airship inflated with helium, the dangers of fire and explosion would be practically eliminated.

Accessories.—Improvement in accessories has taken the form of refinement of existing types, although original devices are in the process of development. A satisfactory magneto is now available and ignition troubles have been greatly reduced. Further improvement will be had, it is hoped, through standardization of accessories. At present the different users of aircraft power plants are not in strict agreement on the subject, and efforts will be made to improve this condition.

Superchargers.—Development work in superchargers has continued. Two main types have been developed, (1) the fan type and (2) the Roots blower type. So far neither has been generally adopted for service use, but with attention focused on high-speed geared engines it appears that some form of supercharger will be necessary even for low-altitude work. Supercharging, then, has two applications—the one for high-altitude flying, the other for increasing engine power by low-pressure supercharging. Development along both lines has been undertaken.

Materials.—Investigation into the proportion of light alloys is being continued with particular attention to the use of magnesium. Indications are that this material will be satisfactory at least for the parts of the structure which are not highly stressed. Development of magnesium castings is still in the experimental state, however, and they will not be available on a production basis for some time.

Laboratory equipment.—The aeronautical engine laboratory has been transferred from the Washington Navy Yard, where its facilities were limited, to the aircraft factory in Philadelphia, where a complete and adequate plant has been installed. The laboratory has been functioning excellently for some months and is rendering inestimable service in the development of better power-plant equipment. The facilities of the laboratory have been so coordinated with those of the factory as to permit finished ground testing and flight testing at Philadelphia. It is obvious that close cooperation must be had between the flight-testing operations and the laboratory work in order that accurate and detailed information may be available.

Summary.—Development of dependable and serviceable power plants for aircraft has continued. In addition, attention is being focused on economy of operation, with particular reference to duration and range in flight. Development has been steady in the three main branches—research, experiment, and flight service. In this work the engines, their accessories, and their fuels are intimately

associated. In any engineering development progress to a certain point is rapid. Beyond that point, progress is necessarily slow. In the past year power-plant progress has been steady. Engine development is being carried out on scientific and rational lines.

AVIATION INSTRUMENTS

In the previous report the fact was noted that the stocks of aviation instruments resulting from war-time purchases were becoming rapidly exhausted. During the past year it has been necessary to go into the market for practically all classes of instruments.

In order that naval aviation may be able to take advantage of any new type or changes in characteristics of instruments, the bureau has adopted the policy of restricting the equipment stocks to a practical minimum sufficient to take care of immediate needs only. In this way it is possible to procure new instruments each year, and the instrument manufacturers are given added incentive to improve their products. The manufacturers appreciate this attitude, and the list of satisfactory and reliable sources of supply is increasing steadily.

The policy of the bureau in standardizing on aircraft material is gradually being applied to instruments. This not only includes standardizing with the Army Air Service but with other organizations, such as the Bureau of Standards, Weather Bureau, National Aeronautic Association, National Advisory Committee for Aeronautics, and with the established practices of instrument manufacturers.

To further economical operation of aircraft, various types of fuel flowmeters have been investigated and a contract placed for several of a special type to be used both on heavier and lighter than air.

The demand for space and compactness in aircraft has restricted the space available for instruments to such an extent that it has been necessary to consider vertical scale instruments in place of the present circular type. Satisfactory instruments of this type have been developed and are now being installed for service tests.

In carrying out aerial navigation with the fleet, the operating units have been supplied with sets of all navigating instruments on hand; improved types of compasses, both liquid and earth inductor types, have been purchased; contracts have been placed for improved bubble sextants and octants to be made of special material. Due to limited funds, only a few earth inductor compasses could be purchased, and it was intended to place these compasses with the Battle and Scouting Fleets. However, it was later found necessary to install these instruments on aircraft taking part in the Arctic and trans-Pacific flights.

The operating units recognize the importance of aerial navigation, and progress has been made in this matter. A considerable amount of very valuable work has been conducted by the naval air station, Pearl Harbor, which indicates what can be done in navigating aircraft.

The importance of night flying is thoroughly recognized, and it will be necessary to have instruments peculiarly designed for such work. Such instruments are being studied and developed. Tests are being conducted with different types of landing searchlights for land and water and for use on the aircraft carriers. Suitable lighting of the carriers for night flying is also being worked out, installation on the U. S. S. *Langley* having been made.

The bureau has kept in touch with conditions abroad, both through correspondence and by the purchase of foreign instruments for test and investigation. A certain amount of research work has been carried on and attempts have been made to investigate and test every kind of domestic aviation instrument in order to insure that the service may be supplied with the best equipment obtainable. In this work the facilities and cooperation of the Bureau of Standards have been employed to great advantage.

PARACHUTES

The past year saw the equipment of all airplane units with parachutes. At the start it was impossible to supply every person entitled to fly with a parachute. Instead, the immediate needs of each station were estimated from its allowance of airplanes and sufficient parachutes were supplied according to a priority list to cover these needs. After the preliminary allowance was distributed, an additional allowance was sent to each station, and it is proposed to increase these allowances again as further parachutes become available.

To date there have been purchased 1,150 parachutes, all but 200 of which have been delivered. These parachutes are sufficient in number to completely equip all the operating units. No parachute is used until it has been dropped experimentally to determine its certainty of action and its strength. The conditions are deliberately made more severe than those likely to be encountered in a service drop, and no parachute is used which behaves in any manner out of the ordinary. This has resulted in the damage and loss of a small number of parachutes, but the practice is justified by the life-saving function parachutes must perform when called upon.

The type of parachute adopted was one which had been demonstrated as successful through many tests. The preliminary development work on this parachute was done by the Army Air Service at McCook Field. Since the Bureau of Aeronautics has adopted the type a careful study has been made with a view to further improvements, and it is believed that the modifications which have been developed enhance the comfort and security of the parachutes. Further improvements are under consideration, notably the elimination of the uncomfortable parachute harness as such and constructing a substitute as part of the flying suit.

One of the difficulties in connection with the supply of these parachutes is that the special silk cloth used is imported material. In cooperation with the Bureau of Standards and the National Advisory Committee for Aeronautics the bureau is working to develop a complete substitute for silk cloth as a material for parachutes. This work will involve research and considerable time. In the meantime work is actively under way in cooperation with the Bureau of Standards and American manufacturers toward developing a satisfactory silk cloth of domestic weave. It is believed that this can be accomplished in a relatively short time, as cloths of high quality have already been produced experimentally.

LIGHTER THAN AIR

Lighter-than-air activities for the year have been restricted chiefly to operations of the rigid airships *Shenandoah* and *Los Angeles*. Inadequacy of helium supply made it impracticable to operate both airships simultaneously and they have therefore been alternated.

In October, 1924, the *Shenandoah* successfully carried out what is generally accepted as the most remarkable voyage ever accomplished by an airship. Leaving Lakehurst, N. J., on October 7, 1924, she proceeded to Fort Worth, Tex., thence to San Diego, Calif., thence to Camp Lewis, Tacoma, Wash., and returned to Lakehurst, N. J., via the same route. The total time away from her shed at Lakehurst was 19 days 19 hours; a distance of about 8,100 nautical miles (9,317 statute miles) was covered. During this trip severe weather was encountered and the *Shenandoah* crossed mountains, deserts, plains, and sea, from the Atlantic to the Pacific and from Canada to Mexico, experiencing a great variety of weather, wind, and climate, much of which was adverse. The cruise was made without the availability of a shed or hangar, and newly erected mooring masts were depended upon to provide facilities for fueling, gassing, provisioning, and repair. The successful operation of the ship under these conditions reflects great credit upon the personnel concerned and is a striking tribute to the staunchness of the airship.

On October 15, 1924, the airship *ZR–3* (*Los Angeles*) constructed in Germany under a development from armistice terms arrived at Lakehurst after a trans-Atlantic nonstop voyage of 4,229 nautical miles in 81 hours 2 minutes, or at an average speed of 52.2 knots (60 statute miles) per hour. This voyage is one of the longest nonstop voyages ever made by any aircraft. Following an inspection for condition by the Board of Inspection and Survey, the airship was accepted by the Secretary of the Navy on behalf of the Government and has been incorporated in the Naval Establishment. By the terms of the agreement under which this airship was constructed, the airship must be used for civil purposes. Accommodations are provided for 30 passengers by day or 20 passengers at night, in addition to a crew of 29. On her first flight after acceptance the airship flew to Washington, D. C., and on November 25, 1924, was christened "*Los Angeles*" by Mrs. Coolidge. A number of voyages have been made with the *Los Angeles* by way of securing operation experience for personnel and to acquire information regarding the various phases of airship operation. It is contemplated working out a scheme by which the *Los Angeles* can be operated on a schedule over a regular route.

Below is given a statistical summary showing flight hours and distance covered by the *Shenandoah* and *Los Angeles* during the fiscal year. It should be noted that on account of shortage of helium it was possible to operate only one airship at a time.

Summary showing rigid airship operation July 1, 1924–June 30, 1925

Subject	Shenandoah	Los Angeles (since Oct. 15, 1924)
Number of flights	10	15.
Total hours of flight	354 hours 20 minutes	281 hours 55 minutes.
Approximate ground distance covered (nautical miles)	10,742	9,569.
Number of moorings to stationary mast	11	9.
Hours at stationary mast	229 hours 23 minutes	236 hours 27 minutes.
Number of moorings Patoka mast	1	6.
Total hours at Patoka mast	19 hours 56 minutes	121 hours 20 minutes.
Number of times ship walked in shed	7	14.
Number of times ship walked out of shed	7	14.

The following long-distance flights are, among others, included in the above figures:

Shenandoah west-coast flight, including six component flights:	
Hours of flight	256 hours 16 minutes.
Hours moored	176 hours 43 minutes.
Distance covered	8,091 nautical miles.
Los Angeles:	
Bermuda flight	33 hours 16 minutes.
Distance covered	1,359 nautical miles.
Bermuda flight	36 hours 38 minutes.
Hours moored	26 hours 21 minutes.
Distance covered	1,423 nautical miles.
Porto Rico flight, including three component flights—	
Hours of flight	84 hours 31 minutes.
Hours moored	78 hours 2 minutes.
Distance covered	3,562 nautical miles.

Not included in the above table is the flight of the *Los Angeles* from Frederichshafen, Germany, to Lakehurst, N. J., 4,229 nautical miles in 81 hours and 2 minutes.

Just at the close of the fiscal year the *Shenandoah* was commencing a series of tactical exercises. These are being continued at the time this report is written. The program includes scouting problems, communication work, gunnery, visibility tests, towing, and refueling at sea. Later it is planned to carry out tests with hooking on, carrying, and releasing airplanes.

No record of airship operation can be considered complete without mentioning the special interest which exists throughout the country in airships. Many requests are daily received for the *Shenandoah* or *Los Angeles* to visit this or that section of the country. It has been impossible to satisfy all such requests and still carry on with the regularly programmed work of training and operation.

The substitution of helium for hydrogen in airship work is an accomplished fact so far as the Navy is concerned. When a larger quantity of helium shall be available airship operations will be greatly facilitated. However, in making comparisons it is important to note the penalty on an airship's performance which is imposed by the use of helium. Pure helium "lifts" about 8 per cent less than pure hydrogen; but, under practical operating conditions, the gross lift of a helium airship is about 12 to 15 per cent less than that of a hydrogen airship. The reduction in cruising radius depends upon the ratio the fuel weight bears to the total weight of the airship. Usually this fuel load is about 33 per cent, so that the reduction in cruising radius through the use of helium is twelve thirty-thirds, or, roughly, 40 per cent. This is a recognized handicap.

MOORING MASTS

Believing that mooring masts are essential toward establishing the mobility of airships, effort has been made to emphasize their use. Much progress has been made in simplifying and perfecting the maneuver of mooring, and it can be executed with comparatively few men in the mooring crew. The U. S. S. *Patoka*, the first vessel in the world to be equipped with a mooring mast, has proved to be a distinctly worth-while development. Moorings have been accomplished under very adverse weather conditions. The *Los Angeles* has moored to the *Patoka* in a wind blowing 45 miles per hour. It is

worth noting that other governments contemplate duplicating the *Patoka* idea.

A new mast has been erected on Ewa plantation, near Honolulu.

It is interesting to note that a large mooring mast has been erected by private interests at Detroit, Mich. Inquiries regarding the characteristics and cost of mooring masts have been received from numerous cities and communities showing that the country is keenly interested in the possibilities of airship transportation.

It is logical and desirable that facilities be provided so that airship operations may be extended in the west-coast Pacific Ocean areas, where weather conditions are decidedly more favorable throughout a greater part of a year, but appropriation limitations have prevented any definite steps toward this end.

EXPERIMENTAL ENGINEERING

[Lighter than air]

Although funds are not available for the construction of any new airships, the bureau has endeavored to keep abreast of airship progress through studies of new design features and by improvements and refinements in existing airships wherever practicable.

Strain-gauge measurements.—During June, 1925, a preliminary series of strain-gauge measurements were made on the *Los Angeles*. It is proposed to extend this work during the coming month in cooperation with the National Advisory Committee for Aeronautics.

Photoelastic model of Shenandoah.—This work, started a year ago, has been continued and has yielded interesting confirmatory evidence on the distribution of stresses throughout an airship structure.

Water-recovery apparatus.—During 1925 the *Shenandoah* and *Los Angeles* were equipped with apparatus for condensing water from the engine exhaust gas and retaining it to compensate for the weight of fuel burned, and thus preserve the airship's equilibrium. The apparatus has worked successfully for many months. A pound of water has been received for each pound of fuel expended in driving the ships, with the result that helium has been valved only in emergencies. Some unforeseen difficulties were experienced with the water-recovery apparatus incident to operating in severe winter weather, but these difficulties have been overcome. Steps have been taken to reduce the weight and resistance of the apparatus. Improved apparatus is now being installed of the two-stage all-metal type: the first stage partially cools the gases and the latter cools them to the condensation point.

Antifreeze solution for use in ballast water.—The calcium chloride solution used for ballast water in airship operation during the preceding winter was not satisfactory. The solution, if permitted to come in contact with duralumin, sets up severe corrosive action. Search has been made and a substitute found. A careful investigation has been started into this peculiar form of duralumin corrosion with a view to eliminating it.

Improved power car for "Shenandoah."—An improved power car for the *Shenandoah*, incorporating remote control for the engine, has been designed.

Metal propellers.—Sample designs of metal propellers are being obtained for airship work.

New type of airship girders.—Improved types of girders for airship work have been developed, and a number are being made up for test purposes at the Bureau of Standards.

SUBSTITUTE FOR GOLDBEATER'S SKIN

Gas-cell fabric.—The research work which for several years has been in progress in collaboration with the Bureau of Standards toward finding a satisfactory cheaper substitute for goldbeater's skin fabric for gas cells reached a point where the bureau felt warranted in authorizing the construction of a full-size sample gas cell utilizing the most promising of the substitute fabrics. There is reason to believe this sample cell will prove satisfactory in gas-tightness and durability, and if so the cost of future gas cells can be greatly reduced.

PRODUCTION OF HELIUM

During the fiscal year 1925 the helium production plant operated continuously and produced 9,511,030 cubic feet of helium, making a total production since the plant began in April, 1925, of 23,927,730 cubic feet. It will be noted that during the past fiscal year there was produced approximately 40 per cent of the total helium produced since the plant went on a production basis in 1921. From this fact it is obvious that great progress was made during the fiscal year toward efficient and consequent economical production. The cost of production in July, 1924, was $82.81 per 1,000 cubic feet and in June, 1925, the cost was $24.05 per 1,000 cubic feet. The results obtained as shown above reflect great credit upon the naval personnel who were engaged in prosecution of the production work

On March 3, 1925, a law (Public, No. 544, 68th Cong.) was passed transferring the production activities from the Navy Department to the Bureau of Mines, at that time in the Interior Department, but on July 1, 1925, the Bureau of Mines was transferred to the Department of Commerce, so that now the production activities are under the latter department. The production plant at Fort Worth is being operated under the management of civilian engineers, and all naval personnel has been transferred. The Navy, however, will maintain a representative at the plant.

The helium purification plant at the naval air station, Lakehurst, N. J., has been operating successfully during the past fiscal year, repurifying all the helium for the *Shenandoah* and *Los Angeles*. The plant has also repurified approximately 1,000,000 cubic feet of Army helium. The performance of the plant has exceeded the expectations of the bureau.

The Army-Navy helium board approved the erection of a new plant at Fort Worth, which is a development of the board of helium engineers, working under the Bureau of Mines. Contracts have been made for all material and equipment, some of which has been delivered and is in the course of erection. The funds for this new unit were supplied jointly, in equal shares, by the Army and Navy.

Funds were allotted as follows:

Operating expenses:	
Production plant	$477, 841. 40
Capital improvements	285, 278. 31
Experimental and research	154, 500. 00
	917, 619. 71

During the latter part of the fiscal year the Bureau of Aeronautics made a contract with the Bethlehem Steel Co. for a helium tank car having a capacity of approximately 200,000 cubic feet at a pressure of 2,000 pounds per square inch. This car when delivered will greatly facilitate the transportation of helium from Fort Worth to the naval air stations operating lighter-than-air craft.

COOPERATION WITH ARMY AIR SERVICE

The Navy has cooperated constantly with the United States Army Air Service in the matters of material supply, special training, and experimental work. The interchange of material needed has been carried out whenever practicable. The interchange of design and development data of every description has continued satisfactorily throughout the year. The interchange of information obtained from foreign sources has also proceeded satisfactorily.

Representatives of the Army and the Navy meet twice a year for the purpose of standardizing airplane fittings and parts, material specifications, etc., to facilitate procurement for the benefit of the air services and private manufacturers. Considerable progress has been made along this line.

Methods of purchase, means of procedure, and operations governing purchase of aviation material have been carefully gone over and discussed from time to time in order that the best interests of both branches of the Government may be satisfactorily cared for. Particular attention has been given to the question of making joint purchases whenever practicable, and joint use of the inspection force available has been satisfactorily carried out where joint purchases have been made.

Army officers and enlisted men are being trained at the naval air station, Lakehurst, in conjunction with lighter-than-air training being given naval personnel. A Navy detail is stationed at McCook Field, where the engineering division of the Army Air Service is located.

Questions of interest to the air services of both the Army and the Navy are referred to the aeronautical board for decision. Unnecessary duplication of work is in this way eliminated and a common policy established.

MARINE CORPS AVIATION

ORGANIZATION

First Aviation Group, Marine Barracks, Quantico, Va.:

(*a*) Observation Squadron 3: Two active and one inactive division.

(*b*) Fighting Squadron 1: Two active and one inactive division.

(*c*) Service Squadron 1: One active and two inactive divisions.

(*d*) Kite Balloon Squadron 1: One division (four sections); one active and three inactive sections.

Observation Squadron 1, San Diego, Calif.: One active and two inactive divisions.

Observation Squadron 2, Port au Prince, Haiti: One active and two inactive divisions.

Scouting Squadron 1, Sumay, Guam: One active (four planes) and two inactive divisions.

TRAINING

Candidates for the student naval aviator's course received preliminary ground school training at Quantico, Va. Two officers completed the course at Pensacola.

One officer completed the advanced pursuit course at Selfridge Field, Mount Clemens, Mich., and two officers are taking the same course.

Six officers are at Kelly Field, Tex., two for the pursuit course, three for the observation course, and one for the attack course.

One officer completed a postgraduate course in aeronautical engineering and design.

One officer completed the parachute rigger's course at Chanute Field, Rantoul, Ill., and one completed a short course in photography there.

Three aviation reserve officers received a month's training at Quantico and two received a month's training at San Diego, Calif.

Enlisted men successfully completed various courses of instruction as follows:

Naval aviation pilot, Pensacola	1
Radio, Naval Research Laboratory, Bellevue, D. C	2
Aerological, Anacostia, D. C	3
Parachute rigging, Chanute Field, Rantoul, Ill	5
Photography, Chanute Field	5
Airplane mechanic's course, Chanute Field	5
Various courses, Great Lakes, Ill	55
Painting, Camp Holabird, Md	3
Electric welding, Boeing Airplane Co. plant, Seattle, Wash	1
Total	80

OPERATIONS

First Aviation Group.—Completed gunnery and bombing exercises 1924–25. Participated in fall maneuvers at Antietam, Md., and joint Army and Navy maneuvers in the Pacific. Eight planes carried observers to Pulitzer races at Dayton, Ohio. Six planes dropped literature over Rantoul, Ill., Louisville, Ky., Omaha, Kansas City, Minneapolis, St. Paul, and Milwaukee on Navy day. Numerous emergency calls were met, mainly for passenger-carrying and special missions between east coast points. During the football season 11 planes were flown to Detroit and 2 to Indianapolis for recruiting purposes. Participated in various aerial demonstrations. An exhibition of the use of smoke screen was given during a visit of the *Los Angeles* to Washington, when a bombing plane dropped a smoke screen completely around the ship. Splendid results obtained by the use of a short-wave radio transmitter made at the station, reports having been received from New Zealand, Europe, and other points.

Observation Squadron 1.—Completed 1924–25 gunnery and bombing exercises. During shore maneuvers of marine expeditionary force from U. S. S. *Henderson* (fleet maneuvers in Pacific) planes carried

out observation missions, made publicity flights, and took aerial photographs. During the visit of the *Shenandoah* all planes were busy with general utility flights, formation flying, bombing exhibitions, photographic flights, etc. Flights were made to Seattle, Wash., and Kelly Field, Tex., and return. Excellent results secured by short-wave radio transmitter, Guam and other distant stations responding.

Observation Squadron 2.—Completed 1924–25 gunnery and bombing exercises. Regular air-mail service with Marine Corps planes authorized by brigade commander. Aerial mosaic maps made for Haitian Government of the following: Artibonite Valley, covering 300 square miles, and one each of Port au Prince and Fon-de-Neges.

Scouting Squadron 1.—Resumed routine flying on receipt of six HS–2L seaplanes.

PERSONNEL

Two officers and two marine gunners joined aviation and six officers were detached to line duty. One officer and two enlisted men were killed in airplane accident, and one enlisted man was drowned after a parachute leap.

Distribution of marine personnel

Stations	Commissioned	Warrant	Enlisted
Headquarters United States Marine Corps	2	0	0
Bureau of Aeronautics	1	0	0
Naval air station, Anacostia, D. C	1	0	0
First Aviation Group, Quantico, Va	38	6	530
San Diego, Calif	7	1	116
Port au Prince, Haiti	9	1	96
Guam	5	1	125
Great Lakes, Ill	0	1	43
Pensacola, Fla	1	0	5
Kelly Field, Tex	2	0	0
En route	4	0	11
Parris Island, S. C	0	0	2
Total	70	10	928

AEROLOGY

Outstanding accomplishments in aerology during the fiscal year 1925 have been the progress made in developing satisfactory standard aerological equipment for aircraft vessels and air stations, extension of the practical applications of naval aerology, and improvement in proficiency of personnel, made possible by the smaller turnover and the increased experience resulting from the establishment of the rating for aerographers a few months before the beginning of the fiscal year. It is believed that these steps are the means by which the small but expert aerological organization needed by naval aviation can gradually be developed.

The efforts of the organization have been directed toward work the importance of which is largely peculiar to naval aviation. It has been kept in mind that the function of the naval aerological organization is to furnish that meteorological information which is essential to most effective accomplishment of naval aviation missions and which is not available from other meteorological sources. Naval aerological work is confined to this field in order to avoid any duplication of

outside meteorological services. More specifically, naval aerology gives the detailed data of fog, visibility, heights of clouds, upper winds, and other conditions which are required by aviation and which can be furnished only by an aerological station operating with or near the aviation forces. It provides the necessary storm and gale advices when naval units are operating at sea or otherwise out of contact with published weather forecasts, and it supplements these with advices of weather conditions at sea which can be given only by aerological personnel familiar with marine weather conditions. Proficiency in forecasting the details of weather conditions, such as visibility, heights of clouds, time of arrival and duration of storms, etc., has been stressed.

During the year 15 regular aerological units have continued in operation aboard aircraft squadron flagships, other aircraft vessels, and at naval air stations and marine flying fields. Special units have been provided at various times during the year aboard the U. S. S. *Patoka,* U. S. S. *Detroit,* and U. S. S. *Richmond,* for use during projects such as the around-the-world flight of the Army Air Service, the trans-Atlantic flight of the *ZR–3, Shenandoah,* and *Los Angeles* maneuvers, and others. Aerological equipment has been provided also for the U. S. S. *Jason,* the marine squadron at Port au Prince, Haiti, and the naval air detail of the MacMillan Arctic expedition. Aerological units at Parris Island and at Santo Domingo were discontinued during the year.

Special activities which may be mentioned are as follows: The Aerological School at Anacostia graduated 10 enlisted students during the fiscal year. Special aerological flights have been extensively carried on by the naval air stations at San Diego and Anacostia. The aerological section of the bureau has prepared the curriculum and organized the lecture course of the aerological school, and has conducted the training of one warrant officer for duty as aerologist. The section also was charged with the aerological arrangements for the trans-Atlantic flight of the *ZR–3.* A greatly improved weather broadcast has been arranged for the regular broadcasts from San Francisco and Arlington. Special summaries and charts of average flying and bombing conditions have been prepared from time to time as required for aviation plans. Standard aerological plotting equipment was developed. Careful investigation of efforts in the field of long-range forecasting was made.

Considerable experimental work remains to be done in order to develop instruments suitable for use aboard ship, and extensive observations and data of upper air at sea are necessary in order to improve forecasting methods, and for other purposes. An acute shortage in aerological officer personnel still exists, but steps have been taken to relieve this situation by training men for duties as aerologist in the warrant grade.

PHOTOGRAPHY

Mapping naval oil reserves 1 and 2.—Aerial photographic mosaic maps were made by photographic personnel of the San Diego Air Station of naval oil reserves 1 and 2 for the office of the Secretary of the Navy and the Department of the Interior. The negatives made of oil reserves 1 and 2 were turned over to the Department of the Interior.

Photographs of the eclipse of the sun.—Very complete motion pictures were made of the eclipse of the sun on January 24, 1925, for the Naval Observatory by naval personnel on board the U. S. S. *Shenandoah.*

Photopraphic mapping for Hydrographic Office.—Aerial photographic mapping of Cuban shore line for the Hydrographic Office with the U. S. S. *Hannibal* and U. S. S. *Nokomis* was accomplished by personnel from the Pensacola Naval Air Station.

Aerial photographic mapping for the Department of Commerce.—Aerial photographic mapping of the shore line of Lake Okeechobee, Fla., for the Department of Commerce was accomplished by personnel from the Pensacola Naval Air Station.

Aerial photographs of naval stations and yards for the Bureau of Yards and Docks.—Work has been commenced in making aerial photographs of navy yards and stations for the Bureau of Yards and Docks.

Photographic work in connection with Mac Millan Arctic expedition.—A very complete photographic outfit was furnished the naval aviation detachment of the MacMillan Arctic expedition, and the aerographer detailed for duty in connection with this expedition was given 10 days' intensive training in photography.

Experimental photography.—A large amount of experimental photographic work was accomplished at the Anacostia Naval Air Station.

Routine photographic work in the field.—Work has been continued in photographing the emergency landing fields between naval air stations and flying fields, also lighthouses, cities and towns, and prominent landmarks along the coast for use as aids to aerial navigation. Photographic work has been carried on at naval air stations, air bases, and aboard aircraft carriers and tenders for the purpose of securing a record of all important naval aviation activities. A complete photographic record of the joint fleet maneuvers and much other work of a general nature was accomplished.

FINANCIAL

The appropriation bill for the fiscal year 1925 carried $15,150,000. In addition the second deficiency bill reappropriated $265,000 from the fiscal year 1923 for the purchase of new aircraft. Of the $15,150,000 appropriated $560,000 was available for new construction work at Pearl Harbor and Coco Solo and for the installation of a new water supply at the naval air station, Pensacola.

At the beginning of the fiscal year the bureau instituted a budget system at the air stations under accounting number 5854 (Maintenance and Repair). The system has worked satisfactorily and resulted in a better administration of the bureau's funds. With increasing activities and an appropriation but little in excess of the amount granted in 1924, some such system was imperative unless flying operations were to be curtailed.

USE OF SURPLUS WAR STOCK

During the year the value of surplus war stock on hand was reduced to $2,580,000 by use, survey, and sale. This stock has been sorted time and again and the material now remaining is in general of such character that it moves very slowly and a liberal estimate of its actual present value to naval aviation is $259,000.

It is quite possible that due to the new types of planes and engines being placed in commission, a large part of the stock remaining will never be of use.

CONCLUSION AND RECOMMENDATION

Naval aviation has continued its efforts to give the fleet sufficient planes of the types necessary to meet naval requirements, and this has been successful to the point where naval aviation is now an integral part of the fleet, accompanying it wherever it goes.

The use of aircraft aboard ships imposes upon the designers of naval aircraft problems not met in the design of other aircraft. The limitations of weight and size are the two outstanding problems to be dealt with. These limitations have been met as far as the engines are concerned by the development of air-cooled engines, which has progressed satisfactorily. The development of metal construction of aircraft is progressing satisfactorily, but has not yet reached a point where it is entirely practicable for production orders.

The design and operation of catapults during the past year has been highly satisfactory.

It is believed that our Navy is the only one which uses catapults to any practical extent. Our development has progressed to a point where planes are now catapulted upon signal from the flagship.

The number of flying hours is increasing yearly, and the bureau is desirous of encouraging as far as practicable a greater increase because it is believed that the more hours our aviators have in the air the more proficient they will be.

The shortage of both commissioned and enlisted personnel has been a handicap during the past year. While it is realized that this has been brought about by the general shortage throughout the service, it is desired to point out that the naval aeronautic organization can not assume its proper place as a balanced arm of the fleet until it has sufficient personnel.

The annual report of the Bureau of Aeronautics would not be complete without an expression of appreciation of the assistance rendered this bureau by the United States Army Air Service, the National Advisory Committee for Aeronautics, the Bureau of Standards, and the Forest Products Laboratory. The heartiest cooperation has existed between this bureau and the agencies named, and their assistance has been of great value and a source of economy to the Government.

In past annual reports this bureau has recommended that the department do everything possible to place upon the statutes of the Government adequate legislation covering civil aviation. I wish to emphasize again the necessity for such legislation if commercial aviation is to make real progress in this country.

While the progress during the year has been reasonably satisfactory, considering the funds appropriated, it must be realized that unless appropriations are increased there can be no material increase in numbers of aircraft, as the appropriations for the last five years have been just about sufficient to purchase planes to meet the normal attrition.

W. A. MOFFETT,
Rear Admiral, U. S. N., Chief of the Bureau of Aeronautics.

REPORT OF THE PAYMASTER GENERAL OF THE NAVY, CHIEF OF THE BUREAU OF SUPPLIES AND ACCOUNTS

NAVY DEPARTMENT,
BUREAU OF SUPPLIES AND ACCOUNTS,
Washington, September 3, 1925.

To: The Secretary of the Navy.
Subject: Annual report for the fiscal year ended June 30, 1925.

1. The annual report of the Paymaster General of the Navy for the fiscal year ended June 30, 1925, is submitted herewith. This report covers the financial and supply activities of the Naval Establishment for that year.

2. During the greater part of the fiscal year—from July 1 until April 28—Rear Admiral David Potter, Supply Corps, United States Navy, was the Paymaster General. I succeeded him on April 29, 1925.

3. The report contains tables showing all of the transactions of the Navy pertaining to expenditure of funds and stores. The reported data includes that required by existing law and, in addition, certain other details of the financial operations interesting to Congress and useful to the bureaus of the Navy Department.

THE APPROPRIATION SYSTEM

The need for early adoption of a more simple form of appropriations is engaging the serious thought of all persons who have to do with the management of the Navy's finances. Last November this bureau sent the department a plan on this head. The aim of the plan is to place administrative and financial management together. To this end the field activities are grouped under administrative agencies in the department. As examples, the ordnance and armament plants are placed under the Bureau of Ordnance, the air stations under Aeronautics, the training stations under Navigation, the radio stations under Engineering, the hospitals under Medicine and Surgery, and the supply activities under Supplies and Accounts. In this way each of the field activities looks only to its own particular managing organization for funds to carry out its mission. Following the same idea, there is a separate lump-sum appropriation for operating the fleets and a similar appropriation for operating the main repair yards, these two being under joint bureau control. The plan requires no changes in the present organization of the Navy Department.

PERSONNEL

During the year ended June 30 there were 17 separations—chiefly retirements and resignations—from the active list of the commissioned corps. Since that time there have been 2 other separations.

There were 7 persons appointed to the corps; 6 are graduates of the Naval Academy, and one is the single successful entrant in a competitive examination held last April among chief pay clerks and pay clerks of the Navy. This is a net loss of 12 officers, the total now being 574, as against 586 on July 1, 1924. The Paymaster General urges that these 12 vacancies be filled by graduates from the next Naval Academy class. If the full number of graduates will not be available, then competitive examination open to civilians should be ordered in time to make the remaining appointments in next June.

Last June twenty-nine enlisted men who had qualified in competitive examination were appointed acting pay clerks. This brought the strength on July 1 to a total of 296 chief pay clerks, pay clerks, and acting pay clerks. Since July, 1925, there have been 10 separations from the active list. The present strength is now 14 under the number—300—regarded as the irreducible minimum. The Paymaster General recommends that an examination be held in December to fill these 14 vacancies and others that may occur in the interim and also to establish an eligible list of qualified candidates from which to fill vacancies as occurring.

Throughout the year 9 Supply Corps officers were continued on extra-corps duties—4 with the Bureau of the Budget, 3 with the Federal Traffic Board, one with the naval mission to Peru, and one with the naval mission to Brazil.

TECHNICAL TRAINING OF OFFICERS OF THE SUPPLY CORPS

During the year 5 officers of the Supply Corps were graduated from the Graduate School of Business Administration of Harvard University, and 7 others completed the first year of that course. In addition, 2 officers completed the first-year studies at the Philadelphia Textile School and 4 were graduated from a course at the Army Quartermasters' Subsistence Course School at Chicago. Other officers of the Supply Corps attended the evening courses in finance and accounting subjects at Pennsylvania and at Pace; still others attended the evening courses at the law schools at Georgetown and at St. Lawrence University, Brooklyn.

The Paymaster General regards these training courses as essential to the efficiency of the Supply Corps. The benefits of these courses are not peculiar to the individuals; these officers are being trained with the view to equipping them better for their important duties in handling the business affairs of the Navy.

The Correspondence School for Reserve Officers of the Supply Corps was continued throughout the year.

THE RATION

Notwithstanding the upward trend—15 per cent, according to the Bureau of Labor Statistics—in the cost of food materials, the ration cost for the year increased by only 4 per cent over that of last year. Through rigorous control the average cost was kept to the absolute minimum of 53 cents. The indications are for higher prices for ration articles in 1926, and an increase in the cost of the ration may be expected.

SETTLEMENT OF CLAIMS

Claims of contractors under the recent relief acts (March, 1925) are being reviewed by the bureau as received from the special board appointed by the department.

All but one of the claims resulting from the cancellation of contracts, due to the armament treaty, have been satisfactorily settled; in this one claim the offered settlement was refused, and the contractor may take the matter to the courts.

Only a few claims arising from war-time conditions remain unsettled. Several relate to canceled war contracts and several to Navy commandeer orders for coal. There are seven of the coal claims. Five are pending in the courts. The two others have been decided in the lower courts, but the Government is planning to appeal.

CIVILIAN PERSONNEL

The civilian personnel of the bureau merit high commendation for the manner in which they have met their heavy responsibilities with the greatest cheerfulness, ability, and zeal.

There has been some improvement in the compensation received by the civilian force, but there is still much to be desired in this direction. With the limited appropriations and the existing restrictive laws it is not possible adequately to remunerate many of the bureau employees. It is hoped that sufficient funds and legislative relief may be provided to make more adequate remuneration possible.

CHARLES MORRIS,
Paymaster General of the Navy.

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PRINCIPAL ITEMS

Amount appropriated by Congress, warranted during the fiscal year 1925	$345, 884, 771. 52
Total expenditures during 1925	323, 940, 512. 69
Total fleet maintenance and operating expense:	
Equipage	14, 175, 004. 20
Operation	117, 420, 845. 15
Repairs	13, 364, 075. 42
Alterations	6, 878, 118. 37
Repairs to equipage	1, 811, 237. 63
Total	153, 649, 280. 77
Expenditures for purchase and construction of vessels:	
Battleships, battle cruisers, light cruisers, and aircraft carriers	16, 796, 197. 81
Tenders, gunboats, repair ship, and ammunition ship	2, 468, 853. 80
Destroyers	712, 748. 06
Submarines	5, 577, 578. 65
Rigid airship	1, 806, 606. 37
Eagle boats	9, 849. 60
Total (at navy yards, $7,090,867.99; under contract and purchase, $20,280,966.30)	27, 371, 834. 29
Expenditures for pay and allowance of officers and men:	
Navy	125, 303, 670. 07
Marine Corps	15, 657, 607. 66
Total	140, 961, 277. 73
Cost of subsisting the enlisted men of the Navy	13, 281, 927. 05
Average cost of subsisting 1 man for 1 day	. 5229
Cost of maintenance of navy yards	76, 695, 450. 23
Cost of output of industrial yards:	
Labor	23, 819, 376. 75
Material	26, 422, 591. 45
Overhead expense	36, 109, 337. 86
Total	86, 351, 306. 06
Value of new and reclaimed materials received into store	163, 892, 545. 92
Value of materials consumed or otherwise finally expended	197, 750, 163. 53
Property investment of Naval Establishment:	
Ships	1, 353, 495, 677. 50
Stations	620, 656, 694. 46
Stores	760, 062, 994. 36
Total	2, 734, 215, 366. 32
Present value of clothing and small-stores fund:	
Cash	2, 874. 50
Stock	28, 627, 556. 48
Unsettled accounts (net credit)	2, 861, 881. 79
Total	31, 492, 312. 77
Total expenditures for the Navy, 1789 to 1925	9, 724, 609, 654. 56

Statement 1.—COST OF THE NAVY, 1925

			Additions and betterments	Maintenance and operation
SHIPS				
Title A. New construction of vessels (see Statement 2)			$27,371,834.29	
Title B. Equipage afloat (see Statement 3)			14,175,004.20	
Title D. Repairs to vessels (see Statement 3)	$13,364,075.42			
Title K. Changes and additions to vessels (see Statement 3)	6,878,118.37			
Title P. Repairs to ships' equipage (see Statement 3)	1,811,237.63			
Total repairs, changes, and additions		$22,053,431.42		
Title C. Operating expenses of vessels (see Statement 3)		117,420,845.15		
Total maintenance and operation of vessels				$139,474,276.57
SHORE STATIONS				
Title E. Improvement to navy yards (industrial)		$11,122,916.63		
Title R. Improvements to navy yards and stations (military)		6,287,709.71		
Total improvements to yards and stations			17,410,626.34	
Title G. Maintenance of navy yards (industrial)	$33,384,611.34			
Title O. Undistributed navy yard expenditures	638,174.30			
Title S. Maintenance of navy yards (military)	43,310,838.89			
Grand total maintenance of yards and stations		77,333,624.53		
Less total amount applied as overhead expense to cost of output of industrial yards (including work done for nonindustrial yards)		17,136,491.88		60,197,132.65
MISCELLANEOUS				
Title V. General administration expenses (see Statement 4)	$88,850,686.13			
M. C. Pay and maintenance of the Marine Corps	23,353,508.18			
Amount transferred to civil-service retirement fund in excess of amount deducted on rolls	273,736.02			
Total miscellaneous		112,477,930.33		
Title X. Supplies in store—net decrease for the year ending June 30, 1925	33,857,492.88			
Title Z. Manufacturing work in progress—net decrease for year ending June 30, 1925	2,232,335.19			
Net decrease in stores		36,089,828.07		
		76,388,102.26		
Less miscellaneous credits to naval appropriations	15,771,051.96			
Value of stores used or on hand received without charge	17,918,043.54			
Expenditures under appropriations of other Government departments	553,785.47			
	34,242,880.97			
Less cost of work done for other Government departments	23,166,417.35			
		11,076,463.62		
Net total miscellaneous				65,311,638.64
			58,957,464.83	264,983,047.86
			264,983,047.86	
Total expenditures for the Navy, fiscal year 1925			323,940,512.69	

Statement 2.—NEW CONSTRUCTION OF VESSELS

RECAPITULATION

No.	Appropriation	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers and auditor's settlements	N. S. A. material issued on invoice	Total appropriation charges	Statistical overhead	A. P. A. material applied by yard labor	A. P. A. material issued on invoice
5144	Naval emergency fund				$265,707.97	$15,201.84	$280,909.81			
5401	Ordnance and ordnance stores, 1925	$905.64					905.64			$12,000.00
5450	Increase of the Navy (ordnance allotment)	33,791.03	$17,608.78	$2,312.37	10,917.19		64,629.37	$8,773.20	*$2,009,290.61*	*1,258,289.58*
5501	Construction and repair, 1925	171,894.04	5.62	12.51			171,912.17	3.12		
5510	Increase of the Navy (construction and repair and engineering allotment)	3,953,307.31	1,739,088.01	1,737,395.09	19,141,148.06	*1,411,220.94*	25,159,718.13	808,253.69	*1,311,147.45*	201,221.62
5601	Engineering, 1925	113,156.84	6.52				113,163.36	3.67		
5852	Aviation, Navy, 1925 (new aircraft and equipment)								1,806,606.37	
	Prior year appropriations	20,941.01	10,428.05	722.23	3,304,280.14		3,336,371.43	3,990.35	*17,900.00*	
	Total	4,293,995.87	1,767,136.98	1,740,442.80	22,722,053.36	*1,396,019.10*	29,127,609.91	821,024.03	*1,531,731.69*	*1,045,067.96*

BATTLESHIPS—FIRST LINE

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		3043. Tennessee		3044. California		3045. Colorado		3046. Maryland	
5450	Increase of the Navy (ordnance allotment)					$10,424.66	$148.22	$461.20	$57.97
5501	Construction and repair, 1925					249.02			
5510	Increase of the Navy (construcion and repair and engineering allotment)	$26,466.26				*72,084.01*	*50,351.37*	193,065.08	423.98
5601	Engineering, 1925	3,677.00		$4,260.35		86.48		110.16	
	Prior year appropriations					7.68			
	Total	30,143.26		4,260.35		*61,316.17*	*50,203.15*	193,636.44	481.95
		3047. Washington		3048. West Virginia		3049. South Dakota		3050. Indiana	
5450	Increase of the Navy (ordnance allotment)			$1,324.17	$271,911.95		*$25,465.23*		*$1,986,487.66*
5501	Construction and repair, 1925			319.98					
5510	Increase of the Navy (construction and repair and engineering allotment)	*$13,463.19*	*$583,337.56*	623,371.62	*60,737.92*	*$9,545.42*	*13,464.75*	*$9,544.76*	*21,575.38*
5601	Engineering, 1925			2,948.63					
	Prior year appropriations	364,747.74				25,407.69		18,648.63	
	Total	351,284.55	*583,337.56*	627,964.40	211,174.03	15,862.27	*38,929.98*	9,103.87	*2,008,013.04*
		3051. Montana		3052. North Carolina		3053. Iowa		3054. Massachusetts	
5450	Increase of the Navy (ordnance allotment)				*$1,898,564.24*				
5510	Increase of the Navy (construction and repair and engineering allotment)		$269,929.63		*72,730.08*	*$102.00*	*$296,569.92*	*$32.45*	*$138,066.58*
	Prior year appropriations	$24,300.66	*17,900.00*	$26,586.26	249.88	63,584.64	*.25*	861,796.21	
	Total	24,300.66	252,029.63	26,586.26	*1,971,044.44*	63,482.64	*296,570.17*	861,763.76	*138,066.58*

STATEMENT 2.—NEW CONSTRUCTION OF VESSELS—Continued

AIRCRAFT CARRIERS—FIRST LINE

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		3301. Lexington		3303. Saratoga					
5450	Increase of the Navy (ordnance allotment)	$43.34	$157.37	$19.20	$156.73				
5510	Increase of the Navy (construction and repair and engineering allotment)	6,970,021.52	77,745.89	7,001,256.56	622,590.15				
5601	Engineering, 1925	2,870.43		201.97					
	Total	6,972,935.29	77,903.26	7,001,477.73	622,746.88				

BATTLE CRUISERS—FIRST LINE

		3302. Constellation		3304. Ranger		3305. Constitution		3306. United States	
5510	Increase of the Navy (construction and repair and engineering allotment)	*$152.36*	*$257,268.77*	*$305.60*	*$113,867.51*		*$1,305,216.63*		*$26,007.59*
5601	Engineering, 1925	37.32							
	Prior year appropriations	971,120.66	3,702.56	980,033.05	38.16				
	Total	971,005.62	*253,566.21*	979,727.45	*113,829.35*		*1,305,216.63*		*26,007.59*

LIGHT CRUISERS—FIRST LINE

		3504. Omaha		3505. Milwaukee		3506. Cincinnati		3507. Raleigh	
5401	Ordnance and ordnance stores, 1925							$300.68	$12,000.00
5450	Increase of the Navy (ordnance allotment)			$2,307.71	$364.94	$10,641.93	$34,768.45	14.23	33,403.14
5501	Construction and repair, 1925					337.89		5,667.60	
5510	Increase of the Navy (construction and repair and engineering allotment)	*$76,035.93*	$6,083.95	*101,674.27*	*11,299.40*	*187,151.55*	*26,865.23*	399,482.47	7,588.85
5601	Engineering, 1925					25.08		2,016.68	3.67
	Total	*76,035.93*	6,083.95	*99,366.56*	*10,934.46*	*176,146.65*	7,903.22	407,481.66	52,995.66

		3508. Detroit		3509. Richmond		3510. Concord		3511. Trenton	
5401	Ordnance and ordnance stores, 1925	$8.48				$55.20		$11.04	
5450	Increase of the Navy (ordnance allotment)	19.04		$6,520.72	$1,061.31	8,658.37	$25,347.61	195.11	$24,100.83
5501	Construction and repair, 1925	2,617.96						5,931.72	
5510	Increase of the Navy (construction and repair and engineering allotment)	588,343.83	$33,970.64	174.30	*80,220.10*	70,763.75	*79,740.83*	1,198,195.31	19,050.34
5601	Engineering, 1925	1,138.84		90.92		688.53		3,199.78	
	Total	592,128.15	33,970.64	6,785.94	*79,158.79*	80,165.85	*54,393.22*	1,207,532.96	43,151.17
		3512. Marblehead		3513. Memphis					
5401	Ordnance and ordnance stores, 1925	$25.44		$22.08					
5450	Increase of the Navy (ordnance allotment)	10,811.54	$26,325.22	10,767.21	$25,994.64				
5501	Construction and repair, 1925	5,534.39		5,915.09					
5510	Increase of the Navy (construction and repair and engineering allotment)	974,682.89	19,451.66	1,233,848.86	83,876.54				
5601	Engineering, 1925	1,489.72		3,519.51					
	Total	992,543.98	45,776.88	1,254,072.75	109,871.18				

DESTROYERS

		4128. Babbitt		4126. Badger		4246. Bainbridge		4213. Barker	
5144	Naval emergency fund	$25,668.09		$25,668.10					
5450	Increase of the Navy (ordnance allotment)								$17,230.92
5510	Increase of the Navy (construction and repair and engineering allotment)					$14,706.20			
		4248. Barry		4215. Borie		4232. Brooks		4241. Childs	
5450	Increase of the Navy (ordnance allotment)				$17,230.92				
5510	Increase of the Navy (construction and repair and engineering allotment)	$14,706.20				$14,706.21		$14,706.21	

Statement 2.—NEW CONSTRUCTION OF VESSELS—Continued

DESTROYERS—Continued

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		4072. Conner		4129. De Long		4157. Dickerson		4280. Doyen	
5144	Naval emergency fund			$25,668.09		$25,462.46			
5450	Increase of the Navy (ordnance allotment)								$17,815.66
5510	Increase of the Navy (construction and repair and engineering allotment)	$18,506.75							
		4234. Fox		4233. Gilmer		4247. Goff		4231. Hatfield	
5510	Increase of the Navy (construction and repair and engineering allotment)	$14,706.21		$14,706.21		$14,706.20		$14,706.21	
		4278. Henshaw		4160. Herbert		4249. Hopkins		4236. Humphreys	
5144	Naval emergency fund			$25,462.45					
5510	Increase of the Navy (construction and repair and engineering allotment)	*$4,527.38*	*$753.36*			$4,706.20		$14,706.21	
		4130. Jacob Jones		4238. James K. Paulding		4216. John D. Edwards		4235. Kane	
5144	Naval emergency fund	$25,668.09							
5450	Increase of the Navy (ordnance allotment)						$17,230.92		
5510	Increase of the Navy (construction and repair and engineering allotment)			$14,706.21				$14,706.21	
		4242. King		4250. Lawrence		4158. Leary		4276. McCawley	
5144	Naval emergency fund					$25,462.45			
5450	Increase of the Navy (ordnance allotment)								$17,815.66
5510	Increase of the Navy (construction and repair and engineering allotment)	$14,706.21		$4,706.20				*$4,304.06*	*211.34*
	Total	14,706.21		4,706.20		25,462.45		*4,304.06*	17,604.32

		4237. McFarland		4279. Meyer		4277. Moody		4239. Overton	
5450	Increase of the Navy (ordnance allotment)				$17,815.66		$17,815.66		
5150	Increase of the Navy (construction and repair and engineering allotment)	$14,706.21		*$13,927.56*	*1,598.22*			$14,706.21	
	Total	14,706.21		*13,927.56*	16,217.44		17,815.66	14,706.21	
		4245. Reuben James		4243. Sands		4159. Schenck		4275. Sinclair	
5144	Naval emergency fund					$25,462.45			
5450	Increase of the Navy (ordnance allotment)								$17,815.66
5510	Increase of the Navy (construction and repair and engineering allotment)	$14,706.20		$14,706.21				*$13,460.95*	*1,595.26*
	Total	14,706.20		14,706.21		25,462.45		*13,460.95*	16,220.40
		4212. Smith Thompson		4073. Stockton		4240. Sturtevant		4125. Tattnall	
5144	Naval emergency fund							$25,668.10	
5450	Increase of the Navy (ordnance allotment)		$17,230.92						
5510	Increase of the Navy (construction and repair and engineering allotment)			$12,173.12		$14,706.21			
		4214. Tracy		4127. Twiggs		4217. Whipple		4244. Williamson	
5144	Naval emergency fund			$25,668.09					
5450	Increase of the Navy (ordnance allotment)		$17,230.92				$17,230.92		
5510	Increase of the Navy (construction and repair and engineering allotment)							$14,706.20	

STATEMENT 2.—NEW CONSTRUCTION OF VESSELS—Continued

SUBMARINES—FIRST LINE

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriatio charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		5113. S-8		5114. S-9		5115. S-10		5116. S-11	
5510	Increase of the Navy (construction and repair and engineering allotment)	$2,969.03	$210.58	$2,968.30	$210.44	$1,393.30	$210.44	$1,393.30	$210.44
		5117. S-12		5118. S-13		5123. S-18		5124. S-19	
5510	Increase of the Navy (construction and repair and engineering allotment)	$1,393.30	$210.44	$1,449.30	$210.44	$53,097.81	$3,568.55	$8,414.79	----------
		5125. S-20		5126. S-21		5127. S-22		5128. S-23	
5510	Increase of the Navy (construction and repair and engineering allotment)	$5,451.06	$10.84	$17,527.15	$14.96	$28,570.18	----------	$14,359.69	$18.33
		5129. S-24		5130. S-25		5131. S-26		5132. S-27	
5510	Increase of the Navy (construction and repair and engineering allotment)	$13,570.76	$8.64	$17,265.38	$30.47	$16,827.65	----------	$18,114.42	$111.11
		5133. S-28		5134. S-29		5135. S-30		5136. S-31	
5144	Naval emergency fund	----------	----------	----------	----------	$2,533.64	----------	$2,533.64	----------
5510	Increase of the Navy (construction and repair and engineering allotment)	$17,009.18	----------	$22,174.60	$406.48	*5,012.35*	*$1,684.23*	10,030.97	$288.35
	Total	17,009.18	----------	22,174.60	406.48	*2,478.71*	*1,684.23*	12,564.61	288.35

		5137. S-32		5138. S-33		5139. S-34		5140. S-35	
5144	Naval emergency fund	$2,533.64		$2,533.64		$2,533.64		$2,533.64	
5510	Increase of the Navy (construction and repair and engineering allotment)	9,144.86	$227.48	9,215.02	$316.21	8,354.60	$209.06	23,011.47	$200.73
	Total	11,678.50	227.48	11,748.66	316.21	10,888.24	209.06	25,545.11	200.73
		5141. S-36		5142. S-37		5143. S-38		5144. S-39	
5510	Increase of the Navy (construction and repair and engineering allotment)	$5,160.95	$212.63	$4,950.72	$156.43	$4,200.87	$156.43	*$5,266.35*	$181.43
		5145. S-40		5146. S-41		5153. S-42		5154. S-43	
5501	Construction and repair, 1925					$257.14		$5.84	
5510	Increase of the Navy (construction and repair and engineering allotment)	*$18,362.68*	$171.43	*$17,760.72*	$211.43	27,372.98	$3,014.29	54,008.23	$2,359.88
5601	Engineering, 1925							5.84	
	Total	*18,362.68*	171.43	*17,760.72*	211.43	27,630.12	3,014.29	54,019.91	2,359.88
		5155. S-44		5156. S-45		5157. S-46		5158. S-47	
5501	Construction and repair, 1925	$25.88		$40.36		$33.48		$28.96	
5510	Increase of the Navy (construction and repair and engineering allotment)	53,582.80	$11,702.44	51,031.55	$2,260.75	37,144.28	$15,515.48	44,469.22	$9,404.60
5601	Engineering, 1925	186.32							
	Total	53,795.00	11,702.44	51,071.91	2,260.75	37,177.76	15,515.48	44,498.18	9,404.60
		5159. S-48		5160. S-49		5161. S-50		5162. S-51	
5510	Increase of the Navy (construction and repair and engineering allotment)	*$4,183.93*	$365.84	*$4,744.50*		*$3,964.24*	$73.90	*$4,744.50*	

FLEET SUBMARINES—FIRST LINE

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		5163. V–1		5164. V–2		5165. V–3		5167. V–5	
5501	Construction and repair, 1925	$16,323.35		$16,158.71		$16,158.71			
5510	Increase of the Navy (construction and repair and engineering allotment)	797,401.04	$313,014.26	1,319,420.89	$423,573.74	925,695.14	$435,627.41	$18,910.69	$343.34
5601	Engineering, 1925	9,492.29		9,520.65		9,313.07			
	Prior-year appropriations					138.21			
	Total	823,216.68	313,014.26	1,345,100.25	423,573.74	951,305.13	435,627.41	18,910.69	343.34
		5168. V–6							
5510	Increase of the Navy (construction and repair and engineering allotment)	$18,910.69	$343.36						

FLEET SUBMARINES (MINE-LAYING TYPE)

		5166. V–4							
5501	Construction and repair, 1925	$39,422.54							
5510	Increase of the Navy (construction and repair and engineering allotment)	553,692.43	$52,829.21						
5601	Engineering, 1925	13,138.09							
	Total	606,253.06	52,829.21						

PATROL VESSELS—GUNBOATS

		3721. Asheville		3722. Tulsa					
5501	Construction and repair, 1925			$257.65	$3.12				
5510	Increase of the Navy (construction and repair and engineering allotment)	$367.00		26,932.05	2,803.06				
5601	Engineering, 1925			4,562.69					
	Total	367.00		31,752.39	2,806.18				

AUXILIARIES—TENDERS

		4610. Dobbin		4608. Holland		4611. Whitney			
5401	Ordnance and ordnance stores, 1925	$436.08				$46.64			
5450	Increase of the Navy (ordnance allotment)	742.65	$104.16	$499.33	$43.77		$15,072.00		
5501	Construction and repair, 1925	6,421.03		35,933.02		10,435.83			
5510	Increase of the Navy (construction and repair and engineering allotment)	112,468.19	*15,407.23*	1,191,104.18	326,865.51	499,829.99	95,059.47		
5601	Engineering, 1925	7,920.34		21,724.83		7,932.98			
	Total	127,988.29	*15,303.07*	1,249,261.36	326,909.28	518,245.44	110,131.47		

AUXILIARIES—REPAIR SHIP

		8895. Medusa							
5450	Increase of the Navy (ordnance allotment)	$1,178.96	$178.01						
5501	Construction and repair, 1925	3,836.02							
5510	Increase of the Navy (construction and repair and engineering allotment)	95,187.52	13,260.74						
5601	Engineering, 1925	2,627.18							
	Total	102,829.68	13,438.75						

STATEMENT 2.—NEW CONSTRUCTION OF VESSELS—Continued

AUXILIARIES—AMMUNITION SHIP

No.	Appropriation	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead	Appropriation charges	A. P. A. material and industrial overhead
		8892. Nitro							
5510	Increase of the Navy (construction and repair and engineering allotment)	$44.91	$4.44						
5601	Engineering, 1925	377.68							
	Total	422.59	4.44						

PATROL VESSELS—EAGLES

		4738. Eagle boats							
5144	Naval emergency fund	$9,849.60							

RIGID AIRSHIPS

		4901. Shenandoah							
5852	Aviation, Navy, 1925 (new aircraft and equipment)		$1,806,606.37						

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION

RECAPITULATION BY CLASSES OF VESSELS—VESSELS IN COMMISSION

	Title B	Title C	Title D	Title K	Title P
Battleships, first line:					
Current year appropriations	$921,629.49	$27,463,924.06	$1,763,813.82	$1,093,044.29	$518,607.95
Prior year appropriations	17,985.59	26,818.85	6,118.64	295,535.78	36.00
Previously charged to appropriations	7,931,698.53	2,921,410.95	308,513.99	461,974.36	103,727.75
Total	8,871,313.61	30,412,153.86	2,078,446.45	1,850,554.43	622,371.70
Cruisers, second line:					
Current year appropriations	186,229.39	4,108,404.08	373,687.04	17,161.95	45,445.15
Prior year appropriations	----------	1,851.89	2,924.51	4,828.11	53.59
Previously charged to appropriations	*185,357.23*	194,912.68	35,193.35	2,183.35	11,351.64
Total	872.16	4,305,168.65	411,804.90	24,173.41	56,850.38
Light cruisers, first line:					
Current year appropriations	805,121.76	6,928,476.29	362,816.03	406,010.59	54,834.35
Prior year appropriations	----------	16,003.13	1,056.18	347,733.07	----------
Previously charged to appropriations	4,093,556.21	338,204.16	82,706.33	77,893.52	9,765.29
Total	4,898,677.97	7,282,683.58	446,578.54	831,637.18	64,599.64
Light cruisers, second line:					
Current year appropriations	72,139.67	1,282,971.54	187,289.12	46,736.28	18,414.22
Prior year appropriations	----------	7.75	----------	----------	----------
Previously charged to appropriations	*27,076.68*	67,663.44	24,878.40	27,160.94	1,734.42
Total	45,062.99	1,350,642.73	212,167.52	73,897.22	20,148.64
Aircraft carrier, second line:					
Current year appropriations	56,077.96	714,890.73	39,759.43	129,636.61	8,201.91
Prior year appropriations	5,121.60	15.23	1,326.00	48,897.86	----------
Previoulsy charged to appropriations	414,416.90	49,012.17	5,618.11	35,957.93	1,210.77
Total	475,616.46	763,918.13	46,703.54	214,492.40	9,412.68
Mine layers, second line:					
Current year appropriations	56,397.49	952,494.82	42,611.31	7,159,10	9,261.42
Prior year appropriations	----------	80.22	----------	26,881.56	----------
Previously charged to appropriations	224,525.66	43,222.66	2,893.56	1,619.83	4,146.99
Total	280,923.15	995,797.70	45,504.87	35,660.49	13,408.41
Destroyers, first line:					
Current year appropriations	739,747.71	19,203,322.44	2,961,450.11	797,141.59	409,743.61
Prior year appropriations	33,624.92	476,140.52	11,872.15	389,022.49	1,409.60
Previously charged to appropriations	*474,310.29*	2,840,707.66	606,161.17	221,809.62	101,442.46
Total	299,062.34	22,520,170.62	3,579,483.43	1,407,973.70	512,595.67
Light mine layers:					
Current year appropriations	31,976.01	1,068,414.50	145,792.66	38,322.99	12,843.99
Prior year appropriations	840.94	16,019.63	----------	27,511.50	66.00
Previously charged to appropriations	*47,017.87*	64,887.99	47,669.74	13,513.36	3,424.58
Total	*14,200.92*	1,149,322.12	193,462.40	79,347.85	16,334.57
Submarines, first line:					
Current year appropriations	589,950.84	3,383,208.75	877,965.95	509,402.30	62,974.18
Prior year appropriations	591.65	31,205.72	15,178.89	58,454.40	34.00
Previously charged to appropriations	*22,316.26*	474,806.40	250,031.92	197,435.53	11,214.31
Total	568,226.23	3,889,220.87	1,143,176.76	765,292.23	74,222.49
Submarines, second line:					
Current year appropriations	95,586.20	1,801,882.85	684,983.83	120,602.51	20,353.57
Prior year appropriations	826.38	10,679.84	66,438.20	31,495.85	24.00
Previously charged to appropriations	*359,113.64*	209,520.70	162,605.60	56,032.39	6,252.94
Total	*262,701.06*	2,022,083.39	914,027.63	208,130.75	26,630.51

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION BY CLASSES OF VESSELS—VESSELS IN COMMISSION—Continued

	Title B	Title C	Title D	Title K	Title P
Fleet submarines, first line:					
Current year appropriations	$24,897.37	$116,596.40	$176.56	----------	----------
Previously charged to appropriations	39,959.23	7,733.05	17.81	----------	----------
Total	64,856.60	124,329.45	194.37	----------	----------
Patrol vessels, submarine chasers:					
Current year appropriations	2,058.45	64,629.26	9,629.60	----------	$109.78
Prior year appropriations	*33.19*	460.53	70.00	----------	----------
Previously charged to appropriations	*12,239.11*	3,862.47	465.82	$284.00	----------
Total	*10,213.85*	68,952.26	10,165.42	284.00	109.78
Patrol vessels, gunboats:					
Current year appropriations	54,749.38	1,547,434.85	84,578.07	5,073.84	15,066.46
Prior year appropriations	519.92	12,128.39	1,469.43	----------	89.00
Previously charged to appropriations	*67,620.21*	32,969.60	14,590.79	577.65	2,742.94
Total	*12,350.91*	1,592,532.84	100,638.29	5,651.49	17,898.40
Patrol vessels, converted yachts:					
Current year appropriations	138,847.15	1,281,696.50	114,325.15	43,416.32	11,217.02
Prior year appropriations	233.05	15,226.82	3,409.57	----------	3.16
Previously charged to appropriations	*36,092.28*	43,913.45	11,072.80	8,014.22	1,194.41
Total	102,987.92	1,340,836.77	128,807.52	51,430.54	12,414.59
Auxiliaries, destroyer tenders:					
Current year appropriations	835,973.35	5,052,076.32	111,540.78	49,011.38	25,627.51
Prior year appropriations	----------	154.91	----------	10,805.51	32.00
Previously charged to appropriations	*137,916.83*	168,594.70	15,865.45	50,779.48	6,589.69
Total	698,056.52	5,220,825.93	127,406.23	110,596.37	32,249.20
Auxiliaries, submarine tenders:					
Current year appropriations	228,742.36	3,961,517.86	104,681.86	87,704.36	27,730.39
Prior year appropriations	1,681.63	*401.65*	245.83	5,130.84	16.00
Previously charged to appropriations	*537,647.30*	191,048.24	29,732.60	11,591.50	*2,636.57*
Total	*307,223.31*	4,152,164.45	134,660.29	104,426.70	25,109.82
Auxiliaries, heavier-than-air aircraft tenders:					
Current year appropriations	30,503.59	971,385.92	35,325.88	24,220.91	5,909.87
Prior year appropriations	*3,993.60*	130.26	----------	----------	----------
Previously charged to appropriations	673,058.08	37,127.04	4,661.80	2,113.42	1,549.72
Total	699,568.07	1,008,643.22	39,987.68	26,334.33	7,459.59
Auxiliaries, repair ships:					
Current year appropriations	356,258.58	1,442,576.95	33,530.43	2,063.64	3,931.05
Prior year appropriations	6,140.70	142.89	----------	----------	----------
Previously charged to appropriations	*188,785.71*	64,558.45	2,857.03	1,866.20	41.60
Total	173,613.57	1,507,278.29	36,387.46	3,929.84	3,972.65
Auxiliaries, storeships:					
Current year appropriations	37,451.64	846,759.08	37,611.35	16,743.53	7,175.58
Prior year appropriations	----------	----------	----------	4,913.65	----------
Previously charged to appropriations	*381,420.11*	36,951.06	6,454.26	1,531.18	357.78
Total	*343,968.47*	883,710.14	44,065.61	23,188.36	7,533.36
Auxiliaries, colliers:					
Current year appropriations	18,488.37	662,982.22	162,737.66	3,374.90	15,354.72
Prior year appropriations	2,000.00	----------	----------	----------	----------
Previously charged to appropriations	*10,339.31*	15,194.65	57,965.90	345.36	1,172.29
Total	10,149.06	678,176.87	220,703.56	3,720.26	16,527.01

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION BY CLASSES OF VESSELS—VESSELS IN COMMISSION—Continued

	Title B	Title C	Title D	Title K	Title P
Auxiliaries, oilers:					
Current year appropriations	$128,719.70	$2,212,745.85	$189,649.41	$48,082.72	$26,636.54
Prior year appropriations	1,232.89	9,511.07	71.52	20,344.40	26.00
Previously charged to appropriations	*48,092.65*	88,014.39	60,468.85	8,887.86	3,392.20
Total	81,859.94	2,310,271.31	250,189.78	77,314.98	30,054.74
Auxiliaries, ammunition ships:					
Current year appropriations	7,488.17	453,339.63	29,699.56	14,299.51	2,387.56
Prior year appropriations	----------	*26.46*	----------	----------	----------
Previously charged to appropriations	*210,883.20*	14,542.81	5,266.85	3,431.50	335.17
Total	*203,395.03*	467,855.98	34,966.41	17,731.01	2,722.73
Auxiliaries, cargo ships:					
Current year appropriations	42,748.33	1,008,560.54	110,030.13	11,189.72	5,897.34
Prior year appropriations	2,378.37	22,360.64	----------	2.00	49.00
Previously charged to appropriations	*92,721.02*	28,410.26	16,899.36	2,051.86	713.25
Total	*47,594.32*	1,059,331.44	126,929.49	13,243.58	6,659.59
Auxiliaries, transports:					
Current year appropriations	57,428.51	1,512,002.71	104,303.37	16,005.73	9,051.47
Prior year appropriations	----------	15.03	----------	----------	----------
Previously charged to appropriations	*58,371.19*	59,283.06	12,951.23	12,408.16	1,041.91
Total	*942.68*	1,571,300.80	117,254.60	28,413.89	10,093.38
Auxiliaries, hospital ships:					
Current year appropriations	23,893.61	1,091,669.29	47,618.60	25,927.34	11,462.91
Prior year appropriations	92.36	----------	----------	----------	----------
Previously charged to appropriations	*45,743.57*	53,291.60	3,775.63	2,135.86	643.13
Total	*21,757.60*	1,144,960.89	51,394.23	28,063.20	12,106.04
Auxiliaries, fleet tugs:					
Current year appropriations	71,920.33	1,746,978.29	411,677.33	52,164.60	19,758.41
Prior year appropriations	3,003.38	46,940.60	2,118.14	----------	448.72
Previously charged to appropriations	*162,717.19*	64,464.35	80,603.16	10,281.26	3,577.47
Total	*87,793.48*	1,858,383.24	494,398.63	62,445.86	23,784.60
Auxiliaries, mine sweepers:					
Current year appropriations	212,731.09	5,897,631.09	494,875.03	73,034.29	38,819.46
Prior year appropriations	12,462.38	61,947.86	7,477.80	*3.75*	*111.00*
Previously charged to appropriations	*132,443.05*	173,900.37	132,591.37	15,071.55	7,743.38
Total	92,750.42	6,133,479.32	634,944.20	88,102.09	46,451.84
Auxiliaries, miscellaneous:					
Current year appropriations	104,583.30	2,324,958.26	89,768.37	67,898.37	35,907.71
Prior year appropriations	710.05	20,506.82	----------	13.98	4.94
Previously charged to appropriations	*217,699.39*	71,812.26	20,256.65	28,533.32	2,815.65
Total	*112,406.04*	2,417,277.34	110,025.02	96,445.67	38,728.30
Unclassified:					
Current year appropriations	13,261.41	930,624.91	67,789.13	1,867.68	8,548.79
Prior year appropriations	----------	235.13	----------	----------	----------
Previously charged to appropriations	*18,673.08*	21,383.92	36,489.67	146.03	1,467.72
Total	*5,411.67*	952,243.96	104,278.80	2,013.71	10,016.51
District craft, tugs:					
Current year appropriations	24,562.60	359,697.12	301,147.71	2,744.95	3,330.69
Prior year appropriations	105.25	1,019.26	----------	----------	----------
Previously charged to appropriations	*18,789.84*	15,058.05	74,110.84	2,504.25	466.90
Total	5,878.01	375,774.43	375,258.55	5,249.20	3,797.59

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION BY CLASSES OF VESSELS—VESSELS IN COMMISSION—Continued

	Title B	Title C	Title D	Title K	Title P
District craft, patrol vessels:					
Current year appropriations	$1,889.75	$17,976.92	$7,054.46		$1,412.53
Prior year appropriations		15.00			
Previously charged to appropriations	*215.00*	252.99	1,478.56		84.68
Total	1,674.75	18,244.91	8,533.02		1,497.21
District craft, unclassified:					
Current year appropriations	290.61	10,970.64	2,215.05		114.08
Prior year appropriations		80.60			
Previously charged to appropriations	*298.37*	248.86	128.78		11.89
Total	*7.76*	11,300.10	2,343.83		125.97
Air forces:					
Current year appropriations	9,338.12	148,782.56			241.50
Prior year appropriations	5,061.70	729.11			
Previously charged to appropriations	*2,615,248.95*	174,007.63			
Total	*2,600,849.13*	323,519.30			241.50
Rigid airships:					
Current year appropriations	44.93	233,482.10	48,293.86	$19,026.74	465.04
Previously charged to appropriations	2.80	111,724.58	42,157.05	7,208.32	5,295.10
Total	47.73	345,206.68	90,450.91	26,235.06	5,760.14
Vessels assigned to Naval Reserve Force:					
Current year appropriations	88,480.55	490,030.58	349,871.62	40,155.25	29,147.87
Prior year appropriations	17,970.18	45,057.01	42,423.75	173,360.37	6,408.38
Previously charged to appropriations	3,144.32	71,249.27	116,650.11	21,009.20	3,691.53
Total	109,595.05	606,336.86	508,945.48	234,524.82	39,247.78
Shore activities:					
Current year appropriations	104,920.33	6,211,754.24	2,109.29		22,803.37
Prior year appropriations	17,105.81	1,790.95			250.74
Previously charged to appropriations	692,531.00	152,238.58	*1,864.91*		6,560.52
Total	814,557.14	6,365,783.77	244.38		29,614.63
Total all vessels in commission:					
Current year appropriations	6,175,128.10	107,506,850.15	10,390,409.56	3,769,223.99	1,488,788.00
Prior year appropriations	125,661.97	816,847.55	162,200.61	1,444,927.62	8,840.13
Previously charged to appropriations	7,963,743.40	8,906,184.50	2,271,919.63	1,286,353.01	303,123.51
Total	14,264,533.47	117,229,882.20	12,824,529.80	6,500,504.62	1,800,751.64

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION

	Number	Tonnage	Average months in commission	Total cost	Average cost per vessel for 12 months
Battleships, first line	18	525,850	12	$43,834,840.05	$2,435,266.89
Cruisers, second line	5	63,610	12	4,798,869.50	959,773.90
Light cruisers:					
First line	10	75,000	11	13,524,176.91	1,475,364.72
Second line	3	9,600	12	1,701,919.10	567,306.37
Aircraft carrier, second line	1	12,700	12	1,510,143.21	1,510,143.21
Mine layers, second line	2	7,600	12	1,371,294.62	685,647.31
Destroyers, first line	103	125,831	12	28,337,285.76	275,119.28
Light mine layers	6	7,146	12	1,394,918.02	232,486.34
Submarines:					
First line	49	42,916	12	6,440,138.58	131,431.40
Second line	37	19,584	11	2,908,171.22	78,599.22
Fleet submarines, first line	1	----------	9	189,380.42	252,517.24
Patrol vessels:					
Submarine chasers	13	1,001	12	69,297.61	5,330.59
Gunboats	9	7,580	12	1,704,370.11	189,374.45
Converted yachts	6	8,279	12	1,636,477.34	272,746.22
Auxiliaries:					
Destroyer tenders	8	95,375	9	6,189,134.25	1,021,522.40
Submarine tenders	8	57,823	12	4,109,137.95	513,642.24
Heavier-than-air aircraft tender	1	11,500	12	1,781,992.89	1,781,992.89
Repair ships	3	30,685	8	1,725,181.81	862,590.96
Storeships	3	36,300	10	614,529.00	245,811.60
Colliers	2	38,500	12	929,276.76	464,638.38
Oilers	10	133,486	12	2,749,690.75	274,969.08
Ammunition ships	2	21,200	7	319,881.10	274,183.80
Cargo ships	6	52,245	9	1,158,569.78	257,460.00
Transports	2	23,400	12	1,726,119.99	863,055.00
Hospital ships	2	19,900	12	1,214,766.76	607,383.38
Fleet tugs	32	28,552	11	2,351,218.85	80,155.20
Mine sweepers	34	32,300	12	6,995,727.87	205,756.70
Miscellaneous	8	64,316	12	2,550,070.29	318,771.29
Unclassified	9	30,605	12	1,063,141.31	118,126.81
District craft:					
Tugs	40	----------	11	765,957.78	20,889.72
Patrol vessels	3	----------	12	29,949.89	9,983.30
Unclassified	1	----------	12	13,762.14	13,762.14

VESSELS IN COMMISSION

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE					
3039. Arizona					
31,400. Oct. 17, 1916 (12)					
5101. Pay, miscellaneous, 1925	----------	$1,992.01	----------	----------	----------
5309. Instruments and supplies, 1925	$601.22	648.98	$31.41	$96.00	$248.47
5401. Ordnance and ordnance stores, 1925	30.19	2,674.05	2,890.13	447.20	13,374.23
5501. Construction and Repair, 1925	37,254.81	23,047.30	26,713.13	4,352.44	14,854.32
5601. Engineering, 1925	22,707.80	23,184.55	30,433.21	12,439.56	8,241.70
5605. Engineering, 1925–26	----------	----------	----------	10,424.26	----------
5701. Pay, Navy, 1925	----------	1,111,503.53	----------	----------	----------
5702. Provisions, 1925	----------	234,154.27	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	2,475.02	3,751.75	----------	----------	552.60
5708. Fuel and transportation, 1925	----------	124,766.02	----------	----------	----------
5801. Medical Department, 1925	----------	46.90	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	181.37	----------	----------	----------
5854. Aviation, Navy, 1925	----------	----------	----------	*396.25*	3.84
5901. Pay, Marine Corps, 1925	----------	41,530.37	----------	----------	----------
Total current year appropriations	63,069.04	1,567,481.10	60,067.88	27,363.21	37,275.16
All prior year appropriations	----------	173.00	1,644.67	9,612.00	----------
Appropriation purchases account material and industrial overhead	1,302,781.26	213,950.35	12,192.77	6,925.58	11,823.73
Grand total	1,365,850.30	1,781,604.45	73,905.32	43,900.79	49,098.89

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3033. Arkansas					
26,000. Sept. 17, 1912 (12)					
5101. Pay, miscellaneous, 1925		$479.21			
5309. Instruments and supplies, 1925	$9,554.73	1,645.01			$238.73
5322. Organizing Naval Reserve Force, 1925 (subhead No. 12)		836.73			
5401. Ordnance and ordnance stores, 1925	2.75	2,485.21	$878.63	$4,115.47	11,685.33
5501. Construction and Repair, 1925	33,858.60	24,496.16	68,582.39	48,681.97	16,926.52
5515. Alterations to naval vessels (Construction and Repair and Engineering)				5,215.07	
5601. Engineering, 1925	18,602.61	24,352.53	70,796.80	44,994.60	2,221.59
5605. Engineering, 1925–26)				89,994.89	
5701. Pay, Navy, 1925		1,009,732.35			
5702. Provisions, 1925		193,717.80			
5704. Maintenance, Supplies and Accounts, 1925	2,681.79	5,457.48			246.22
5708. Fuel and transportation, 1925		118,064.90			
5801. Medical Department, 1925		40.50			
5802. Contingent, Medicine and Surgery, 1925		286.61			
5901. Pay, Marine Corps, 1925		29,513.83			
Total current year appropriations	64,700.48	1,411,108.32	140,257.82	193,002.00	31,318.39
All prior year appropriations		2,195.40	*2,223.40*	314.11	
Appropriation purchases account material and industrial overhead	49,298.34	136,741.64	37,634.29	45,423.87	15,861.91
Grand total	113,998.82	1,550,045.36	175,668.71	238,739.98	47,180.30
3044. California					
32,300. Aug. 10, 1921 (12)					
5101. Pay, miscellaneous, 1925		2,194.72			
5305. Gunnery and engineering exercises, 1925		95.35			
5309. Instruments and supplies, 1925	1,708.28	825.01	120.96	745.47	89.51
5327. Recreation, 1925		3,456.77			
5401. Ordnance and ordnance stores, 1925	40.21	3,274.10	2,967.05		5,972.52
5501. Construction and Repair, 1925	27,720.86	57,656.42	26,427.01	45,333.33	10,098.87
5601. Engineering, 1925	29,876.49	31,564.34	33,498.07	9,243.14	7,649.36
5605. Engineering, 1925–26)				*267.00*	
5701. Pay, Navy, 1925		1,406,926.45			
5702. Provisions, 1925		278,980.78			
5704. Maintenance, Supplies and Accounts, 1925	4,119.51	7,716.66			99.02
5708. Fuel and transportation, 1925		78,085.50			
5801. Medical Department, 1925		181.40			
5802. Contingent, Medicine and Surgery, 1925		252.28			
5854. Aviation, Navy, 1925	188.47		488.33	874.75	74.34
5901. Pay, Marine Corps, 1925		53,484.15			
Total current year appropriations	63,653.82	1,924,693.93	63,501.42	55,929.69	23,983.62
All prior year appropriations		3,829.06		12,621.25	
Appropriation purchases account material and industrial overhead	*84,472.52*	227,641.90	6,878.19	17,680.45	11,611.36
Grand total	*20,818.70*	2,156,164.89	70,379.61	86,231.39	35,594.98
3045. Colorado					
32,600. Aug. 30, 1923 (12)					
5101. Pay, miscellaneous, 1925		3,080.46			
5305. Gunnery and engineering exercises, 1925		200.00			
5309. Instruments and supplies, 1925	1,591.37	1,501.84	50.91		408.07
5327. Recreation, 1925		49.55			
5401. Ordnance and ordnance stores, 1925	118.24	2,470.06	702.05	14.49	17,445.12
5501. Construction and Repair, 1925	14,990.38	28,027.86	27,018.71	26,329.89	6,188.27
5510. Increase of the Navy (Joint Construction and Repair and Engineering allotment)	47,023.74				
5601. Engineering, 1925	17,265.76	24,160.17	25,815.70	7,490.40	5,016.22

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3045. Colorado—Continued					
5605. Engineering, 1925–26				$40,305.82	
5701. Pay, Navy, 1925		$1,153,275.31			
5702. Provisions, 1925		222,437.39			
5704. Maintenance, Supplies and Accounts, 1925	$2,914.37	4,118.82			$95.62
5708. Fuel and transportation, 1925		140,039.64			
5801. Medical Department, 1925		107.19			
5802. Contingent, Medicine and Surgery, 1925		268.02			
5853. Aviation, Navy, 1925	74.00				
5854. Aviation, Navy, 1925	315.00			1,054.95	
5901. Pay, Marine Corps, 1925		37,476.00			
Total current year appropriations	84,292.86	1,617,212.31	$53,587.37	75,195.55	29,153.30
All prior year appropriations		21.27		11,213.34	
Appropriation purchases account material and industrial overhead	2,238,633.56	212,219.78	10,727.97	99,944.29	5,852.61
Grand total	2,322,926.42	1,829,453.36	64,315.34	186,353.18	35,005.91
3030. Florida					
21,825. Sept. 15, 1911 (12)					
5101. Pay, miscellaneous, 1925		163.33			
5309. Instruments and supplies, 1925	229.47	186.86	46.63		
5401. Ordnance and ordnance stores, 1925		1,117.94	634.09	46.27	9.00
5501. Construction and Repair, 1925	2,360.22	13,477.97	27,965.43	216.09	3,072.53
5515. Alterations to naval vessels (construction and repair and engineering)				176,804.79	
5601. Engineering, 1925	2,098.37	13,382.74	21,186.73	130.57	1,422.29
5605. Engineering, 1925–26				868.70	
5701. Pay, Navy, 1925		418,106.25			
5702. Provisions, 1925		57,575.11			
5704. Maintenance Supplies, and Accounts, 1925	1,161.55	2,785.48			155.07
5708. Fuel and Transportation, 1925		58,698.81			
5801. Medical Department, 1925		17.00			
5802. Contingent, Medicine and Surgery, 1925		134.76			
5901. Pay, Marine Corps, 1925		17,568.53			
Total current year appropriations	5,849.61	583,214.78	49,832.88	178,066.42	4,658.89
All prior year appropriations		1,901.85			
Appropriation purchases account material and industrial overhead	*48,187.93*	36,292.47	1,668.58	59,615.22	167.23
Grand total	*42,338.32*	621,409.10	51,501.46	237,681.64	4,826.12
3042. Idaho					
32,000. Mar. 24, 1919 (12)					
5101. Pay, miscellaneous, 1925		3,039.16			
5309. Instruments and supplies, 1925	3,079.65	255.35	246.84		1,014.53
5401. Ordnance and ordnance stores, 1925	281.41	2,809.10	196.22		6,343.34
5501. Construction and Repair, 1925	17,615.05	42,281.13	28,716.76	16,184.22	10,832.37
5601. Engineering, 1925	11,220.96	21,129.18	53,082.34	5,234.35	10,803.22
5605. Engineering, 1925–26				947.16	
5701. Pay, Navy, 1925		1,090,503.82			
5702. Provisions, 1925		226,722.87			
5704. Maintenance, Supplies and Accounts, 1925	4,812.54	5,761.48			125.18
5708. Fuel and transportation, 1925		107,381.31			
5801. Medical Department, 1925		21.82			
5802. Contingent, Medicine and Surgery, 1925		116.33			
5854. Aviation, Navy, 1925	128.49		5.38	1,409.74	*9.03*
5901. Pay, Marine Corps, 1925		35,920.26			
Total current year appropriations	37,138.10	1,535,941.81	82,247.54	23,775.47	29,109.61
All prior year appropriations		81.93		11,592.52	
Appropriation purchases account material and industrial account	65,600.73	168,632.23	9,693.26	4,135.32	1,853.93
Grand total	102,738.83	1,704,655.97	91,940.80	39,503.31	30,963.54

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3046. Maryland					
32,600. July 21, 1921 (12)					
5101. Pay, miscellaneous, 1925		$2,567.07			
5305. Gunnery and engineering exercises, 1925		141.20			
5309. Instruments and supplies, 1925	$1,447.94	665.89	$100.45		$485.37
5401. Ordnance and ordnance stores, 1925	22.11	2,681.03	44.17	$23.73	3,209.57
5501. Construction and Repair, 1925	9,091.23	38,309.66	28,280.80	14,050.66	15,784.94
5601. Engineering, 1925	10,667.71	25,247.23	32,647.45	3,119.65	6,295.86
5701. Pay, Navy, 1925		1,146,962.69			
5702. Provisions, 1925		226,955.28			
5704. Maintenance, Supplies and Accounts, 1925	2,843.38	3,792.26			59.69
5708. Fuel and transportation, 1925		77,099.02			
5801. Medical Department, 1925		30.18			
5802. Contingent, Medicine and Surgery, 1925		204.60			
5854. Aviation, Navy, 1925	129.53			1,325.94	69.42
5901. Pay, Marine Corps, 1925		37,696.32			
Total current year appropriations	24,201.90	1,562,352.43	61,072.87	18,519.98	25,904.85
All prior year appropriations	4,719.50	451.28	1,644.67	38,155.35	
Appropriation purchases account material and industrial overhead	2,582,662.01	143,082.82	7,920.00	7,181.87	2,406.52
Grand total	2,611,583.41	1,705,886.53	70,637.54	63,857.20	28,311.37
3041. Mississippi					
32,000. Dec. 18, 1917 (12)					
5101. Pay, miscellaneous, 1925		2,654.75			
5309. Instruments and supplies, 1925	1,614.19	868.27	287.87		483.72
5401. Ordnance and ordnance stores, 1925	52.65	2,698.80	3,073.52	9,112.32	32,050.84
5501. Construction and Repair, 1925	14,167.71	40,221.64	55,888.14	52,312.90	21,703.45
5601. Engineering, 1925	17,942.12	35,975.68	109,422.38	2,334.52	7,533.66
5701. Pay, Navy, 1925		1,112,325.65			
5702. Provisions, 1925		214,300.03			
5704. Maintenance, Supplies and Accounts, 1925	1,808.33	4,894.19			186.62
5708. Fuel and transportation, 1925		93,912.25			
5801. Medical Department, 1925		60.44			
5802. Contingent, Medicine and Surgery, 1925		170.37			
5854. Aviation, Navy, 1925	136.00			1,162.23	1,691.81
5901. Pay, Marine Corps, 1925		27,418.20			
Total current year appropriations	35,721.00	1,535,500.27	168,671.91	64,921.97	63,650.10
All prior year appropriations	*1.59*	131.18		49,357.52	
Appropriation purchases account material and industrial overhead	268,607.04	159,898.31	25,393.00	41,314.37	6,611.94
Grand total	304,326.45	1,695,529.76	194,064.91	155,593.86	70,262.04
3036. Nevada					
27,500. Mar. 11, 1916 (12)					
5101. Pay, miscellaneous, 1925		4,824.49			
5309. Instruments and supplies, 1925	1,833.80	444.79			1,231.65
5401. Ordnance and ordnance stores, 1925	65.64	2,362.44	68.58		25,155.41
5501. Construction and Repair, 1925	33,980.01	35,288.31	43,317.47	14,800.81	10,215.75
5601. Engineering, 1925	25,354.80	29,540.28	63,691.85	92.94	7,250.14
5605. Engineering, 1925–26				125.96	
5701. Pay, Navy, 1925		1,065,296.11			
5702. Provisions, 1925		211,941.54			
5704. Maintenance, Supplies and Accounts, 1925	2,511.09	4,197.30			582.33
5708. Fuel and transportation, 1925		108,068.65			
5802. Contingent, Medicine and Surgery, 1925		166.29			
5854. Aviation, Navy, 1925 (Maintenance and Repairs)	414.59				1,460.29
5901. Pay, Marine Corps, 1925		38,124.71			
Total current year appropriations	64,159.93	1,500,254.91	107,077.90	15,019.71	45,895.57
All prior year appropriations		14.25		37,892.90	18.00
Appropriation purchases account material and industrial overhead	*1,497.01*	162,687.66	15,017.42	10,012.26	9,008.26
Grand total	62,662.92	1,662,956.82	122,095.32	62,924.87	54,921.83

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3040. New Mexico					
32,000. May 20, 1918 (12)					
5101. Pay, miscellaneous, 1925		$3,192.61			
5102. Contingent, Navy, 1925		240.28			
5305. Gunnery and engineering exercises, 1925		386.19			
5309. Instruments and supplies, 1925	$1,196.15	579.93	$366.97		$582.61
5401. Ordnance and ordnance stores, 1925	45.76	2,607.64	3,068.65	$6,766.59	40,931.67
5501. Construction and Repair, 1925	45,352.32	29,423.04	89,428.43	52,227.53	20,935.42
5601. Engineering, 1925	41,016.11	22,329.23	111,418.89	9,793.67	10,551.80
5605. Engineering, 1925–26				33,169.26	
5701. Pay, Navy, 1925		1,178,013.36			
5702. Provisions, 1925		241,237.89			
5704. Maintenance, Supplies and Accounts, 1925	3,087.36	5,447.73			1,210.64
5708. Fuel and transportation, 1925		74,324.26			
5801. Medical Department, 1925		25.50			
5802. Contingent, Medicine and Surgery, 1925		153.08			
5854. Aviation, Navy, 1925	98.85			2,043.22	1.04
5901. Pay, Marine Corps, 1925		46,614.59			
Total current year appropriations	90,796.55	1,604,575.33	204,282.94	104,000.27	74,213.18
All prior year appropriations	6,474.50	2,073.36	540.06	50,348.13	
Appropriation purchases account material and industrial overhead	*1,254,923.45*	164,278.52	21,262.09	26,998.87	10,865.58
Grand total	*1,157,652.40*	1,770,927.21	226,085.09	181,347.27	85,078.76
3034. New York					
27,000. Apr. 15, 1914 (12)					
5101. Pay, miscellaneous, 1925		1,101.42			
5309. Instruments and supplies, 1925	3,139.79	995.02	.96	44.44	282.10
5401. Ordnance and ordnance stores, 1925	2.00	2,531.23	5,773.26	11.54	6,908.47
5501. Construction and Repair, 1925	14,432.47	36,959.14	56,150.46	35,285.88	10,255.94
5601. Engineering, 1925	18,284.51	18,036.72	86,482.77	763.52	7,895.99
5701. Pay, Navy, 1925		1,023,800.60			
5702. Provisions, 1925		207,214.82			
5704. Maintenance, Supplies and Accounts, 1925	4,635.55	5,066.80			327.32
5708. Fuel and transportation, 1925		116,643.34			
5801. Medical Department, 1925		42.68			
5802. Contingent, Medicine and Surgery, 1925		148.00			
5901. Pay, Marine Corps, 1925		21,777.14			
Total current year appropriations	40,494.32	1,434,316.91	148,407.45	36,105.38	25,669.82
All prior year appropriations		3,720.28		3,568.02	
Appropriation purchases account material and industrial overhead	*5,341.24*	206,515.18	33,625.05	13,877.83	2,469.22
Grand total	35,153.08	1,644,552.37	182,032.50	53,551.23	28,139.04
3037. Oklahoma					
27,500. May 2, 1916 (12)					
5101. Pay, miscellaneous, 1925		3,193.44			
5309. Instruments and supplies, 1925	1,171.77	485.98			25.04
5401. Ordnance and ordnance supplies, 1925	121.68	2,378.24	4.76		578.34
5501. Construction and Repair, 1925	11,892.88	41,945.83	8,671.13	295.08	709.77
5601. Engineering, 1925	19,099.05	27,845.59	1,960.52	12.60	3,031.13
5605. Engineering, 1925–26				3.56	
5701. Pay, Navy, 1925		1,049,721.85			
5702. Provisions, 1925		218,145.45			
5704. Maintenance, Supplies and Accounts, 1925	2,831.42	2,809.30			21.68
5708. Fuel and transportation, 1925		94,272.58			
5801. Medical Department, 1925		28.29			
5802. Contingent, Medicine and Surgery, 1925		155.90			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3037. Oklahoma—Continued					
5854. Aviation, Navy, 1925 (maintenance and repairs)	$528.55		$10.65		$8.33
5901. Pay, Marine Corps, 1925		$38,434.55			
Total current year appropriations	35,645.35	1,479,417.00	10,647.06	$311.24	4,374.29
All prior year appropriations				9,612.00	
Appropriation purchases account material and industrial overhead	34,079.26	108,010.27	51.47	*82.92*	1,740.09
Grand total	69,724.61	1,587,427.27	10,698.53	9,840.32	6,114.38
3038. Pennsylvania					
31,400. June 12, 1916 (12)					
5101. Pay, miscellaneous, 1925		4,602.44			
5305. Gunnery and engineering exercises, 1925		159.99			
5309. Instruments and supplies, 1925	1,912.23	636.44	416.52		584.15
5401. Ordnance and ordnance stores, 1925	9.80	3,631.94	5,068.54	9.57	29,682.15
5501. Construction and Repair, 1925	22,375.70	37,817.69	58,715.76	38,562.74	8,676.21
5601. Engineering, 1925	32,734.60	31,292.56	67,478.31	5,205.12	15,694.29
5605. Engineering, 1925–26				47,161.69	
5701. Pay, Navy, 1925		1,115,679.11			
5702. Provisions, 1925		229,339.97			
5704. Maintenance, Supplies and Accounts, 1925	2,662.93	4,435.68			410.09
5708. Fuel and transportation, 1925		98,938.08			
5801. Medical Department, 1925		72.00			
5802. Contingent, Medicine and Surgery, 1925		154.20			
5854. Aviation, Navy, 1925	141.64			661.84	40.28
5901. Pay, Marine Corps, 1925		43,069.65			
Total current year appropriations	59,836.90	1,569,829.75	131,679.13	91,600.96	55,087.17
All prior year appropriations		8,227.05		9,665.60	18.00
Appropriation purchases account material and industrial overhead	*68,776.21*	272,915.67	18,440.51	24,057.22	12,185.67
Grand total	*8,939.31*	1,850,972.47	150,119.64	125,323.78	67,290.84
3043. Tennessee					
32,300. June 3, 1920 (12)					
5101. Pay, miscellaneous, 1925		2,645.26			
5309. Instruments and supplies, 1925	568.88	526.49	24.89		425.43
5401. Ordnance and ordnance stores, 1925	33.78	3,588.59	22.81		15.85
5501. Construction and Repair, 1925	13,149.23	42,299.50	44,593.69	217.30	1,052.54
5601. Engineering, 1925	12,415.08	35,577.29	15,734.02	527.57	8,096.51
5701. Pay, Navy, 1925		1,148,710.60			
5702. Provisions, 1925		230,315.98			
5704. Maintenance, Supplies and Accounts, 1925	2,925.06	3,892.02			89.10
5708. Fuel and transportation, 1925		86,408.46			
5801. Medical Department, 1925		41.38			
5802. Contingent, Medicine and Surgery, 1925		212.87			
5854. Aviation, Navy, 1925 (maintenance and repairs)	247.20				3.67
5901. Pay, Marine Corps, 1925		38,019.81			
Total current year appropriations	29,339.23	1,592,238.25	60,375.41	744.87	9,683.10
All prior year appropriations		144.26	2,567.97	8,544.00	
Appropriation purchases account, material and industrial overhead	*22,947.67*	161,044.68	52.50	29.48	141.95
Grand total	6,391.56	1,753,427.19	62,995.88	9,318.35	9,825.05

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3035. Texas					
27,000. Mar. 12, 1914 (12)					
5101. Pay, miscellaneous, 1925		$1,682.74			
5309. Instruments and supplies, 1925	$2,807.52	652.28	$184.47		$62.19
5401. Ordnance and ordnance stores, 1925		2,800.00	7,454.30	$121.54	12,367.01
5501. Construction and Repair, 1925	15,192.70	22,605.13	61,003.17	42,934.11	9,790.14
5515. Alterations to naval vessels (Construction and Repair and Engineering)				34,064.60	
5601. Engineering, 1925	8,720.69	19,114.16	113,888.87	3,483.07	6,979.66
5605. Engineering, 1925–26				680.07	
5701. Pay, Navy, 1925		1,019,742.86			
5702. Provisions, 1925		218,900.87			
5704. Maintenance, Supplies and Accounts, 1925	2,702.24	5,057.55			67.49
5708. Fuel and transportation, 1925		115,532.80			
5801. Medical Department, 1925		63.40			
5802. Contingent, Medicine and Surgery, 1925		249.86			
5854. Aviation, Navy, 1925	450.00				
5901. Pay, Marine Corps, 1925		42,365.16			
Total current year appropriations	29,873.15	1,448,766.81	182,530.81	81,283.39	29,266.49
All prior year appropriations	5,636.91	507.05	1,644.67	34,246.35	
Appropriation purchases account material and industrial overhead	29,558.49	156,675.57	67,391.09	26,881.32	7,838.34
Grand total	65,068.55	1,605,949.43	251,566.57	142,411.06	37,104.83
3031. Utah					
21,825. Aug. 31, 1911 (12)					
5101. Pay, miscellaneous, 1925		1,273.32			
5309. Instruments and supplies, 1925	2,111.75	1,407.14	9,924.45		11.29
5310. Ocean and lake surveys, 1925		22.44			
5401. Ordnance and ordnance stores, 1925		2,500.00	732.37		1,299.71
5501. Construction and Repair, 1925	40,100.67	28,638.39	53,844.54	34,322.66	8,841.21
5515. Alterations to naval vessels (Construction and Repair and Engineering)				501.36	
5601. Engineering, 1925	24,295.40	19,229.59	49,943.22	5,826.71	4,615.60
5605. Engineering, 1925–26				48,643.75	
5701. Pay, Navy, 1925		982,511.02			
5702. Provisions, 1925		214,953.99			
5704. Maintenance, Supplies and Accounts, 1925	4,951.57	5,009.18			267.75
5708. Fuel and transportation, 1925		238,416.86			
5801. Medical Department, 1925		3.50			
5802. Contingent, Medicine and Surgery, 1925		228.97			
5901. Pay, Marine Corps, 1925		34,128.81			
Total current year appropriations	71,459.39	1,528,323.21	114,444.58	89,294.48	15,035.56
All prior year appropriations	*3.32*	62.06		153.79	
Appropriation purchases account material and industrial overhead	*27,367.84*	51,864.35	13,002.63	25,969.55	1,713.31
Grand total	44,088.23	1,580,249.62	127,447.21	115,417.82	16,748.87
3048. West Virginia					
32,600. Dec. 1, 1923 (12)					
5101. Pay, miscellaneous, 1925		2,349.31			
5102. Contingent, Navy, 1925		65.45			
5309. Instruments and supplies, 1925	1,638.13	1,736.64			92.10
5401. Ordnance and ordnance stores, 1925		2,935.01	.84	759.68	529.57
5501. Construction and Repair, 1925	8,529.37	38,646.04	9,769.46	1,306.09	533.50
5510. Increase of Navy (Joint Construction and Repair and Engineering allotment)	26,321.32				
5601. Engineering, 1925	24,286.94	25,071.93	4,046.67	126.00	1,360.37

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
BATTLESHIPS, FIRST LINE—continued					
3048. West Virginia—Continued					
5701. Pay, Navy, 1925		$1,265,848.18			
5702. Provisions, 1925		256,599.15			
5704. Maintenance, Supplies and Accounts, 1925	$1,622.35	5,139.85			$116.00
5708. Fuel and transportation, 1925		138,550.26			
5801. Medical Department, 1925		154.06			
5802. Contingent, Medicine and Surgery, 1925					
5854. Aviation, Navy, 1925					22.21
5901. Pay, Marine Corps, 1925		44,650.88			
Total current year appropriations	62,398.11	1,781,746.76	$13,816.97	$2,191.77	2,653.75
All prior year appropriations		8.25	300.00	8,544.00	
Appropriation purchases account material and industrial overhead	2,857,681.39	135,427.02	91.75	208.12	146.02
Grand total	2,920,079.50	1,917,182.03	14,208.72	10,943.89	2,799.77
3032. Wyoming					
26,000. Sept. 25, 1912 (12)					
5101. Pay, miscellaneous, 1925		1,136.01			
5309. Instruments and supplies, 1925	2,346.64	2,475.87			288.96
5327. Recreation, 1925		1,233.50			
5401. Ordnance and ordnance stores, 1925	2.00	2,970.08	72.68	2,186.68	846.83
5501. Construction and Repair, 1925	37,597.68	33,220.06	59,829.54	27,869.81	5,329.53
5601. Engineering, 1925	14,322.36	21,703.01	51,409.66	5,661.44	4,867.79
5701. Pay, Navy, 1925		1,239,333.17			
5702. Provisions, 1925		238,811.11			
5704. Maintenance, Supplies and Accounts, 1925	4,731.07	6,649.00			338.26
5708. Fuel and transportation, 1925		199,644.08			
5801. Medical Department, 1925		25.00			
5802. Contingent, Medicine and Surgery, 1925		199.94			
5854. Aviation, 1925					3.73
5901. Pay, Marine Corps, 1925		39,549.35			
Total current year appropriations	58,999.75	1,786,950.18	111,311.88	35,717.93	11,675.10
All prior year appropriations	1,159.59	3,277.32		94.90	
Appropriation purchases account material and industrial overhead	16,310.32	203,532.53	27,471.42	51,801.66	1,430.08
Grand total	76,469.66	1,993,760.03	138,783.30	87,614.49	13,105.18
CRUISERS, SECOND LINE					
3409. Huron					
13,680. Jan. 27, 1908 (12)					
5101. Pay, miscellaneous, 1925		938.91			
5309. Instruments and supplies, 1925	1,543.77	3,257.22			711.14
5327. Recreation, 1925		593.89			
5401. Ordnance and ordnance stores, 1925		2,540.00			49.37
5501. Construction and Repair, 1925	39,201.82	20,395.97	22,343.43	25.96	3,204.13
5601. Engineering, 1925	13,498.28	25,952.78	44,225.09		5,888.75
5701. Pay, Navy, 1925		615,460.43			
5702. Provisions, 1925		178,212.36			
5704. Maintenance, Supplies and Accounts, 1925	1,182.40	4,733.30			228.35
5708. Fuel and Transportation, 1925		136,379.84			
5801. Medical Department, 1925		38.80			
5802. Contingent, Medicine and Surgery, 1925		209.05			
5901. Pay, Marine Corps, 1925		35,937.45			
Total current year appropriations	55,426.27	1,024,650.00	66,568.52	25.96	10,081.74
All prior year appropriations		39.22			
Appropriation purchases account material and industrial overhead	30,259.19	47,462.58	5,660.55	16.74	3,032.65
Grand total	85,685.46	1,072,151.80	72,229.07	42.70	13,114.39

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
CRUISERS, SECOND LINE—continued					
3404. Pittsburgh					
13,680. Mar. 9, 1905 (12)					
5101. Pay, miscellaneous, 1925		$3,503.12			
5102. Contingent, Navy, 1925		257.42			
5201. Maintenance, Yards and Docks, 1925		345.07			
5309. Instruments and supplies, 1925	$622.07	7,194.03			
5310. Ocean and lake surveys, 1925		18.04			
5327. Recreation, 1925		391.85			
5401. Ordnance and ordnance stores, 1925		4,406.66			$49.39
5501. Construction and Repair, 1925	4,799.46	25,690.10	$1,874.13	$324.23	662.07
5601. Engineering, 1925	15,353.20	29,893.96	7,017.63	214.11	471.58
5701. Pay, Navy, 1925		756,264.27			
5702. Provisions, 1925		156,081.22			
5704. Maintenance, Supplies and Accounts, 1925	1,358.39	6,571.42			101.17
5708. Fuel and transportation, 1925		112,627.07			
5801. Medical Department, 1925		419.47			
5802. Contingent, Medicine and Surgery, 1925		345.26			
5901. Pay, Marine Corps, 1925		40,058.93			
Total current year appropriations	22,133.12	1,144,067.89	8,891.76	538.34	1,284.21
All prior year appropriations		1,796.51	2,831.79	1,609.34	
Appropriation purchases account material and industrial overhead	*36,269.84*	39,959.02	3,101.57	452.45	3,851.19
Grand total	*14,136.72*	1,185,823.42	14,825.12	2,600.13	5,135.40
3407. Pueblo					
13,680. Jan. 19, 1905 (12)					
5309. Instruments and supplies, 1925	234.92	2.59			58.60
5401. Ordnance and ordnance stores, 1925		55.12			
5501. Construction and Repair, 1925	5,288.99	10,763.82	5,683.70	1,668.13	5,851.69
5601. Engineering, 1925	749.06	5,370.52	304.96	284.04	148.73
5702. Provisions, 1925		413.00			
5704. Maintenance, Supplies and Accounts, 1925	345.33	2,547.63			72.61
5708. Fuel and transportation, 1925		12,926.50			
Total current year appropriations	6,618.30	32,079.18	5,988.66	1,952.17	6,131.63
All prior year appropriations			*1,416.25*		
Appropriation purchases account material and industrial overhead	*60,710.05*	15,102.91	567.29	249.24	439.51
Grand total	*54,091.75*	47,182.09	5,139.70	2,201.41	6,571.14
3552. Rochester					
8,150. Aug. 1, 1893 (12)					
5101. Pay, miscellaneous, 1925		431.33			
5309. Instruments and supplies, 1925	4,015.56	647.29			847.32
5327. Recreation, 1925		185.52			
5401. Ordnance and ordnance stores, 1925	21.00	706.31			92.86
5501. Construction and Repair, 1925	17,398.49	17,276.80	18,039.74		7,011.29
5601. Engineering, 1925	12,285.40	12,480.12	24,343.08	3,191.98	3,473.27
5701. Pay, Navy, 1925		422,129.01			
5702. Provisions, 1925		95,863.36			
5704. Maintenance, Supplies and Accounts, 1925	2,068.15	6,204.53			495.54
5708. Fuel and transportation, 1925		82,016.68			
5802. Contingent, Medicine and Surgery, 1925		132.31			
5901. Pay, Marine Corps, 1925		47,751.98			
Total current year appropriations	35,788.60	685,825.24	42,382.82	3,191.98	11,920.28
All prior year appropriations		16.16	1,508.97	3,218.77	46.09
Appropriation purchases account material and industrial overhead	*61,718.45*	54,953.91	5,764.66	114.15	738.35
Grand total	*25,929.85*	740,795.31	49,656.45	6,524.90	12,704.72

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
CRUISERS, SECOND LINE—continued					
3411. Seattle					
14,500. Aug. 7, 1906 (12)					
5101. Pay, miscellaneous, 1925		$1,869.08			
5201. Maintenance, Yards and Docks, 1925		725.69			
5309. Instruments and supplies, 1925	$1,538.66	1,061.06	$111.70		$185.53
5322. Organizing Naval Reserve Force, 1925 (subhead No. 12)		1,175.46			
5327. Recreation, 1925		2,044.86			
5401. Ordnance and ordnance stores, 1925		2,737.88			3,232.42
5501. Construction and Repair, 1925	20,398.23	25,872.57	55,880.65	$4,999.81	8,386.30
5601. Engineering, 1925	41,891.92	34,899.79	193,862.93	6,453.69	3,817.70
5701. Pay, Navy, 1925		778,003.94			
5702. Provisions, 1925		165,080.20			
5704. Maintenance, Supplies, and Accounts, 1925	2,434.29	3,775.66			405.34
5708. Fuel and transportation, 1925		151,896.68			
5801. Medical Department, 1925		48.60			
5802. Contingent, Medicine and Surgery, 1925		153.60			
5901. Pay, Marine Corps, 1925		52,436.70			
Total current year appropriations	66,263.10	1,221,781.77	249,855.28	11,453.50	16,027.29
All prior year appropriations					7.50
Appropriation purchases account material and industrial overhead	*56,918.08*	37,434.26	20,099.28	1,350.77	3,289.94
Grand total	9,345.02	1,259,216.03	269,954.56	12,804.27	19,324.73
LIGHT CRUISERS, FIRST LINE					
3506. Cincinnati					
7,500. Jan. 1, 1924 (12)					
5101. Pay, miscellaneous, 1925		74.62			
5309. Instruments and supplies, 1925	758.16	614.92			84.35
5327. Recreation, 1925		95.20			
5401. Ordnance and ordnance stores, 1925	59.49	1,038.05	418.55	11,374.77	.04
5450. Increase of the Navy, ordnance	63.00				
5501. Construction and Repair, 1925	1,255.53	14,851.51	18,534.27	36,459.05	1,072.27
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	7,076.76				
5601. Engineering, 1925	2,157.93	12,402.49	39,955.05	31,448.15	1,073.44
5701. Pay, Navy, 1925		450,761.76			
5702. Provisions, 1925		78,110.66			
5704. Maintenance, Supplies and Accounts, 1925	509.94	2,177,68			50.53
5708. Fuel and transportation, 1925		130,229.46			
5802. Contingent, Medicine and Surgery, 1925		107.86			
5854. Aviation, Navy, 1925	84.66	96.96		2,955.95	86.71
Total current year appropriations	11,965.47	690,561.17	58,907.87	82,237.92	2,367.34
All prior year appropriations		1,010.81	*116.55*	102,610.17	
Appropriation purchases account material and industrial overhead	394,221.51	25,136.82	9,405.47	14,600.54	2,305.29
Grand total	406,186.98	716,708.80	68,196.79	199,448.63	4,672.63
3510. Concord					
7,500. Nov. 3, 1923 (12)					
5101. Pay, miscellaneous. 1925		15.11			
5309. Instruments and supplies, 1925	1,134.03	1,335.32	23.52		135.56
5327. Recreation, 1925		61.45			
5401. Ordnance and ordnance supplies, 1925	23.77	1,343.14	160.01	10,063.97	534.04
5501. Construction and Repair, 1925	15,330.63	18,115.17	13,956.15	40,644.76	2,477.59
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	7,137.39				

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, FIRST LINE—continued					
3510. Concord—Continued					
5601. Engineering, 1925	$12,405.26	$14,418.44	$11,550.92	$28,146.05	$1,084.55
5605. Engineering, 1925–26				173.57	
5701. Pay, Navy, 1925		505,575.24			
5702. Provisions, 1925		82,600.43			
5704. Maintenance, Supplies and Accounts, 1925	3,356.66	2,601.84			4.04
5708. Fuel and transportation, 1925		98,248.21			
5802. Contingent, Medicine and Surgery, 1925		85.83			
5854. Aviation, Navy, 1925	24.00			142.80	
Total current year appropriations	39,411.74	724,400.18	25,690.60	79,171.15	4,235.78
All prior year appropriations		18.01	*10.42*	33,321.63	
Appropriation purchases account material and industrial overhead	443,750.83	35,211.99	10,110.56	12,102.28	517.80
Grand total	483,162.57	759,630.18	35,790.74	124,595.06	4,753.58
3508. Detroit					
7,500. July 31, 1923 (12)					
5101. Pay, miscellaneous, 1925		133.75			
5309. Instruments and supplies, 1925	692.94	858.79			30.43
5401. Ordnance and ordnance stores, 1925	68.85	1,031.05	285.16	14,708.69	601.89
5501. Construction and Repair, 1925	12,610.62	12,744.49	17,620.35	155.24	2,581.05
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	23,889.75		30.32	*15.73*	
5601. Engineering, 1925	8,317.33	9,822.53	10,697.09	1,247.47	1,090.15
5701. Pay, Navy, 1925		455,707.30			
5702. Provisions, 1925		71,942.20			
5704. Maintenance, Supplies and Accounts, 1925	983.92	2,112.77			121.46
5708. Fuel and transportation, 1925		164,396.23			
5801. Medical Department, 1925		49.00			
5802. Contingent, Medicine and Surgery, 1925		73.97			
5854. Aviation, Navy, 1925	9.49			2,956.80	
Total current year appropriations	46,572.90	718,872.08	28,632.92	19,052.47	4,424.98
All prior year appropriations		301.03	1,148.15	84.10	
Appropriation purchases account material and industrial overhead	*13,712.42*	58,037.74	3,349.38	4,130.64	255.25
Grand total	32,860.48	777,210.85	33,130.45	23,267.21	4,680.23
3512. Marblehead					
7,500 (10)					
5101. Pay, miscellaneous, 1925		4,128.14			
5309. Instruments and supplies, 1925	191.16	1,075.85			3.27
5327. Recreation, 1925		106.70			
5401. Ordnance and ordnance stores, 1925		1,475.93	11.00	8,955.13	715.12
5450. Increase of the Navy, ordnance	1,063.53	172.01			
5501. Construction and Repair, 1925	1,083.36	28,289.04	10,958.91	95.34	1,457.62
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	275,396.70				
5601. Engineering, 1925	641.41	15,580.94	5,196.95	251.48	649.13
5701. Pay, Navy, 1925		370,565.33			
5702. Provisions, 1925		76,947.36			
5704. Maintenance, Supplies and Accounts, 1925	821.95	4,413.75			12.79
5708. Fuel and transportation, 1925		155,383.74			
5801. Medical Department, 1925		15.00			
5802. Contingent, Medicine and Surgery, 1925		70.08			
5854. Aviation, Navy, 1925	42.90		5.20	386.29	24.69
Total current year appropriations	279,241.01	658,223.87	16,172.06	9,688.24	2,862.62
All prior year appropriations			35.00		
Appropriation purchases account material and industrial overhead	1,298,828.68	15,147.21	8,518.01	1,778.04	108.21
Grand total	1,578,069.69	673,371.08	24,725.07	11,466.28	2,970.83

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, FIRST LINE—continued					
3513. Memphis					
7,500 (5)					
5101. Pay, miscellaneous, 1925		$40.38			
5309. Instruments and supplies, 1925	$253.94	1,410.07			$46.02
5401. Ordnance and ordnance stores, 1925		1,563.39	*$0.32*	$14,374.53	187.97
5450. Increase of the Navy, ordnance	1,058.75	344.40			
5501. Construction and Repair, 1925	282.04	22,067.12	349.67		212.95
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	284,620.46				
5601. Engineering, 1925	353.53	12,012.48	1,169.07	38.72	719.66
5701. Pay, Navy, 1925		186,700.66			
5702. Provisions, 1925		30,587.64			
5704. Maintenance, Supplies and Accounts, 1925	140.00	3,561.60			
5708. Fuel and transportation, 1925		64,875.75			
5801. Medical Department, 1925		26.50			
5802. Contingent, Medicine and Surgery, 1925		60.81			
5854. Aviation, Navy, 1925				384.27	
Total current year appropriations	286,708.72	323,250.80	1,518.42	14,797.52	1,166.60
Appropriation purchases account material and industrial overhead	1,140,755.25	11,767.12	7,659.00	1,459.93	221.56
Grand total	1,427,463.97	335,017.92	9,177.42	16,257.45	1,388.16
3505. Milwaukee					
7,500. June 20, 1923 (12)					
5101. Pay, miscellaneous, 1925		684.38			
5309. Instruments and supplies, 1925	457.71	1,056.29			126.91
5401. Ordnance and ordnance stores, 1925	21.34	1,228.66	696.19	13,537.35	1,916.50
5501. Construction and Repair, 1925	6,034.91	10,180.89	18,223.34	37,536.16	6,810.15
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	3,365.94				
5601. Engineering, 1925	5,128.94	5,672.72	47,014.82	5,935.19	3,724.40
5701. Pay, Navy, 1925		440,357.79			
5702. Provisions, 1925		73,410.35			
5704. Maintenance, Supplies and Accounts, 1925	1,651.67	1,338.55			1.53
5708. Fuel and transportation, 1925		158,758.80			
5801. Medical Department, 1925		7.00			
5802. Contingent, Medicine and Surgery, 1925		124.50			
5854. Aviation, Navy, 1925			*.13*	1,453.46	27.37
Total current year appropriations	16,660.51	692,819.93	65,934.22	58,462.16	12,606.86
All prior year appropriations		2,967.24		78,058.69	
Appropriation purchases account material and industrial overhead	*28,151.77*	38,906.46	5,564.20	11,050.68	605.55
Grand total	*11,491.26*	734,693.63	71,498.42	147,571.53	13,212.41
3504. Omaha					
7,500. Feb. 24, 1923 (12)					
5101. Pay, miscellaneous, 1925		1,710.30			
5301. Contingent (Navigation), 1925		398.17			
5309. Instruments and supplies, 1925	846.27	362.21	255.86	16.80	270.39
5327. Recreation, 1925		569.32			
5401. Ordnance and ordnance stores, 1925	152.32	1,128.40	414.03	3,306.79	3,841.37
5501. Construction and Repair, 1925	18,584.05	12,677.87	11,357.12	24,412.44	4,034.55
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	6,525.02				
5601. Engineering, 1925	5,091.34	13,694.73	34,558.11	9,549.01	7,653.89
5605. Engineering, 1925–26				10,831.96	
5701. Pay, Navy, 1925		582,510.89			
5702. Provisions, 1925		94,820.23			
5704. Maintenance, Supplies and Accounts, 1925	1,795.53	2,473.18			187.22

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, FIRST LINE—continued					
3504. Omaha—Continued					
5708. Fuel and transportation, 1925		$87,672.77			
5802. Contingent, Medicine and Surgery, 1925		67.03			
5854. Aviation, Navy, 1925	$70.74		$1,010.22	$1,815.05	$6.52
Total current year appropriations	33,065.27	798,085.10	47,595.34	49,932.05	15,993.94
All prior year appropriations		204.56		25,950.92	
Appropriation purchases account, material and industrial overhead	21,965.11	38,632.86	8,930.10	11,146.11	1,728.71
Grand total	55,030.38	836,922.52	56,525.44	87,029.08	17,722.65
3507. Raleigh					
7,500. Feb. 6, 1924 (12)					
5101. Pay, miscellaneous, 1925		812.15			
5309. Instruments and supplies, 1925	279.57	579.55	36.72		64.41
5327. Recreation, 1925		196.38			
5401. Ordnance and ordnance stores, 1925		1,070.93	203.73	13,473.77	305.15
5501. Construction and Repair, 1925	3,234.28	10,879.45	13,942.32		1,690.94
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	18,358.92			175.65	176.62
5601. Engineering, 1925	4,156.02	8,715.70	8,446.22	789.26	471.58
5701. Pay, Navy, 1925		466,903.53			
5702. Provisions, 1925		76,040.15			
5704. Maintenance, Supplies and Accounts, 1925	1,131.15	2,347.52			16.39
5708. Fuel and transportation, 1925		185,120.35			
5801. Medical Department, 1925		8.50			
5802. Contingent, Medicine and Surgery, 1925		75.49			
5854. Aviation, Navy, 1925	43.53		329.75	2,805.49	38.95
Total current year appropriations	27,203.47	752,749.70	22,958.74	17,244.17	2,764.04
All prior year appropriations		11,482.11		38.51	
Appropriation purchases account material and industrial overhead	364,566.09	38,049.79	8,835.38	1,914.90	2,501.74
Grand total	391,769.56	802,281.60	31,794.12	19,197.58	5,265.78
3509. Richmond					
7,500. July 2, 1923 (12)					
5101. Pay, miscellaneous, 1925		345.78			
5102. Contingent, Navy, 1925		300.00			
5309. Instruments and supplies, 1925	1,449.06	1,149.28			73.16
5327. Recreation, 1925		40.00			
5401. Ordnance and ordnance stores, 1925	126.01	1,195.07		12,060.49	3,458.69
5501. Construction and Repair, 1925	18,458.42	15,449.04	38,664.94	40,710.62	714.29
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	2,226.81				
5601. Engineering, 1925	10,127.56	13,445.04	34,053.76	9,821.82	1,703.26
5701. Pay, Navy, 1925		510,907.41			
5702. Provisions, 1925		76,953.85			
5704. Maintenance, Supplies, and Accounts, 1925	1,354.19	2,148.09			68.89
5708. Fuel and transportation, 1925		120,298.38			
5801. Medical Department, 1925		16.31			
5802. Contingent, Medicine, and Surgery, 1925		61.04			
5854. Aviation, Navy, 1925	95.00		684.13	1,820.36	27.33
Total current year appropriations	33,837.05	742,309.29	73,402.83	64,413.29	6,045.62
All prior year appropriations		16.97		107,669.05	
Appropriation purchases account material and industrial overhead	73,972.23	36,289.45	13,329.13	18,643.61	1,021.18
Grand total	107,809.28	778,615.71	86,731.96	190,725.95	7,066.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, FIRST LINE—continued					
3511. Trenton					
7,500. Apr. 19, 1914 (12)					
5101. Pay, miscellaneous, 1925		$1,016.40			
5309. Instruments and supplies, 1925	$556.24	15,097.38			$131.09
5327. Recreation, 1925		15.72			
5401. Ordnance and ordnance stores, 1925	17.04	1,082.98	$1,377.42	$10,056.44	61.90
5450. Increase of the Navy, ordnance	66.04	172.01			250.00
5501. Construction and Repair, 1925	5,143.62	16,266.50	12,637.25	59.44	1,320.00
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	14,099.18				
5601. Engineering, 1925	3,590.49	15,282.84	7,988.36	519.69	603.58
5701. Pay, Navy, 1925		467,197.10			
5702. Provisions, 1925		86,595.44			
5704. Maintenance, Supplies, and Accounts, 1925	6,983.01	2,310.11			
5708. Fuel and transportation, 1925		221,684.29			
5801. Medical Department, 1925		342.36			
5802. Contingent, Medicine, and Surgery, 1925		141.04			
5854. Aviation, Navy, 1925				376.05	
Total current year appropriations	30,455.62	827,204.17	22,003.03	11,011.62	2,366.57
All prior year appropriations		2.40			
Appropriation purchases account material and industrial overhead	397,360.70	41,024.72	7,005.10	1,066.79	500.00
Grand total	427,816.32	868,231.29	29,008.13	12,078.41	2,866.57
LIGHT CRUISERS, SECOND LINE					
3569. Cleveland					
3,200. Nov. 2, 1903 (12)					
5101. Pay, miscellaneous, 1925		161.76			
5309. Instruments and supplies, 1925	820.41	413.77			12.53
5310. Ocean and lake surveys, 1925		126.79			
5401. Ordnance and ordnance stores, 1925		899.68	110.43		103.10
5501. Construction and Repair 1925	12,619.56	7,984.15	27,243.71	10.53	218.45
5601. Engineering, 1925	7,822.61	6,067.96	50,871.05	*1,403.26*	596.35
5701. Pay, Navy, 1925		272,646.65			
5702. Provisions, 1925		59,892.29			
5704. Maintenance, Supplies, and Accounts, 1925	695.26	2,450.33			16.85
5708. Fuel and transportation, 1925		46,112.06			
5802. Contingent, Medicine, and Surgery, 1925		106.31			
5901. Pay, Marine Corps, 1925		24,532.05			
Total current year appropriations	21,957.84	421,393.80	78,225.19	*1,392.73*	947.28
All prior year appropriations		6.32			
Appropriation purchases account material and industrial overhead	*8,835.93*	18,983.84	11,967.46	208.64	174.22
Grand total	13,121.91	440,383.96	90,192.65	*1,184.09*	1,121.50
3564. Denver					
3,200. May 17, 1904 (12)					
5101. Pay, miscellaneous, 1925		114.65			
5309. Instruments and supplies, 1925	695.98	1,204.05			36.54
5322. Organizing Naval Reserve Force (subhead No. 12)		46.60			
5327. Recreation, 1925		194.53			
5401. Ordnance and ordnance stores, 1925	94.63	783.19	20.36		1,809.92
5501. Construction and Repair, 1925	20,127.61	7,076.58	42,418.72	1,923.61	2,883.83
5601. Engineering, 1925	3,765.25	6,583.17	22,603.66	4,826.53	6,281.68
5701. Pay, Navy, 1925		295,709.92			
5702. Provisions, 1925		61,839.83			
5704. Maintenance, Supplies and Accounts, 1925	917.89	2,513.46			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, SECOND LINE—con.					
3564. Denver—Continued					
5708. Fuel and transportation, 1925		$42,848.03			
5801. Medical Department, 1925		107.07			
5802. Contingent, Medicine and Surgery, 1925		80.19			
5901. Pay, Marine Corps, 1925		26,870.67			
Total current year appropriations	$25,601.36	445,971.94	$65,042.74	$6,750.14	$11,011.97
All prior year appropriations		1.43			
Appropriation purchases account material and industrial overhead	*13,765.33*	27,158.16	9,592.29	8,939.55	995.82
Grand total	11,836.03	473,131.53	74,635.03	15,689.69	12,007.79
3567. Galveston					
3,200. Feb. 15, 1905 (12)					
5101. Pay, miscellaneous, 1925		106.75			
5309. Instruments and supplies, 1925	1,379.46	683.04			12.84
5401. Ordnance and ordnance stores, 1925	2.16	884.96	160.65		1,064.17
5501. Construction and Repair, 1925	12,583.74	8,479.70	20,213.33	10,191.22	3,626.15
5601. Engineering, 1925	9,942.82	7,055.12	23,647.21	31,187.65	1,691.42
5701. Pay, Navy, 1925		264,287.37			
5702. Provisions, 1925		60,142.63			
5704. Maintenance, Supplies and Accounts, 1925	672.29	2,511.24			60.39
5708. Fuel and transportation, 1925		48,754.76			
5802. Contingent, Medicine and Surgery, 1925		82.38			
5901. Pay, Marine Corps, 1925		22,617.85			
Total current year appropriations	24,580.47	415,605.80	44,021.19	41,378.87	6,454.97
Appropriation purchases account material and industrial overhead	*4,475.42*	21,521.44	3,318.65	18,012.75	564.38
Grand total	20,105.05	437,127.24	47,339.84	59,391.62	7,019.35
AIRCRAFT CARRIER, SECOND LINE					
8890. Langley					
12,700. Mar. 20, 1922 (12)					
5101. Pay, miscellaneous, 1925		283.16			
5309. Instruments and supplies, 1925	5,400.73	694.82			
5327. Recreation, 1925		74.00			
5401. Ordnance and ordnance stores, 1925		742.72		319.92	487.63
5501. Construction and Repair, 1925	21,522.70	14,988.11	8,353.60	97,240.50	3,632.03
5601. Engineering, 1925	25,376.32	13,001.83	31,251.55	22,457.50	4,060.57
5605. Engineering, 1925–26				10.56	
5701. Pay, Navy, 1925		521,892.26			
5702. Provisions, 1925		72,544.42			
5704. Maintenance, Supplies and Accounts, 1925	2,243.00	1,919.33			21.68
5708. Fuel and transportation, 1925		88,542.20			
5801. Medical Department, 1925		35.25			
5802. Contingent, Medicine and Surgery, 1925		172.63			
5853. Aviation, Navy, 1925	250.00				
5854. Aviation, Navy, 1925	1,285.21		154.28	11.42	
5855. Aviation, Navy, 1925				9,596.71	
Total current year appropriations	56,077.96	714,890.73	39,759.43	129,636.61	8,201.91
All prior year appropriations	5,121.60	15.23	1,326.00	48,897.86	
Appropriation purchases account material and industrial overhead	414,416.90	49,012.17	5,618.11	35,957.93	1,210.77
Grand total	475,616.46	763,918.13	46,703.54	214,492.40	9,412.68

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
MINE LAYERS, SECOND LINE					
8815. Aroostook					
3,800. Dec. 7, 1917 (12)					
5101. Pay, miscellaneous, 1925		$82.15			
5309. Instruments and supplies, 1925	$3,137.03	1,218.83			$362.38
5401. Ordnance and ordnance stores, 1925	16.50	447.52			252.08
5501. Construction and Repair, 1925	22,897.08	18,010.10	$16,300.93	$2,937.38	4,851.01
5601. Engineering, 1925	8,906.73	8,571.95	21,171.76	3,589.31	2,494.64
5701. Pay, Navy, 1925		275,079.35			
5702. Provisions, 1925		63,190.71			
5704. Maintenance, Supplies and Accounts, 1925	359.37	2,084.47			150.75
5708. Fuel and transportation, 1925		42,334.44			
5801. Medical Department, 1925		16.27			
5802. Contingent, Medicine and Surgery, 1925		168.50			
5853. Aviation, Navy, 1925					107.21
5854. Aviation, Navy, 1925			43.44		177.73
Total current year appropriations	35,316.71	411,204.29	37,516.13	6,526.69	8,395.80
All prior year appropriations		1.00		26,881.56	
Appropriation purchases account material and industrial overhead	256,043.38	24,318.05	2,434.56	1,614.71	4,146.99
Grand total	291,360.09	435,523.34	39,950.69	35,022.96	12,542.79
8840. Shawmut					
3,800. Dec. 7, 1917 (12)					
5101. Pay, miscellaneous, 1925		129.62			
5309. Instruments and supplies, 1925	718.91	431.40			
5401. Ordnance and ordnance stores, 1925	98.20	684.01	72.00		10.00
5501. Construction and Repair, 1925	14,790.35	17,135.67	4,508.15	629.45	677.93
5601. Engineering, 1925	4,388.85	6,492.18	515.03	2.96	142.70
5701. Pay, Navy, 1925		376,436.91			
5702. Provisions, 1925		67,838.41			
5704. Maintenance, Supplies and Accounts, 1925	1,084.47	1,813.58			34.99
5708. Fuel and transportation, 1925		70,200.85			
5801. Medical Department, 1925		59.00			
5802. Contingent, Medicine and Surgery, 1925		68.90			
Total current year appropriations	21,080.78	541,290.53	5,095.18	632.41	865.62
All prior year appropriations		79.22			
Appropriation purchases account material and industrial overhead	*31,517.72*	18,904.61	459.00	5.12	
Grand total	*10,436.94*	560,274.36	5,554.18	637.53	865.62
DESTROYERS, FIRST LINE					
4246. Bainbridge					
1,215. Feb. 9, 1921 (12)					
5309. Instruments and supplies, 1925	813.33	93.05	209.01		166.78
5327. Recreation, 1925		193.95			
5401. Ordnance and ordnance stores, 1925		542.36		341.37	646.93
5501. Construction and Repair, 1925	2,967.23	4,722.64	14,881.88	994.23	1,482.79
5601. Engineering, 1925	1,934.82	5,656.05	22,120.21	2,358.34	639.82
5701. Pay, Navy, 1925		118,528.85			
5702. Provisions, 1925		24,222.83			
5704. Maintenance, Supplies and Accounts, 1925	468.24	660.63			1.14
5708. Fuel and transportation, 1925		43,456.11			
5801. Medical Department, 1925		3.15			
Total current year appropriations	6,183.62	198,079.62	37,211.10	3,693.94	2,937.46
All prior year appropriations	796.73	3,260.75	279.81	9,127.60	
Appropriation purchases account material and industrial overhead	*26,207.79*	43,784,68	15,126.24	1,926.89	3,369.77
Grand total	*19,227.44*	245,125.05	52.617.15	14.748.43	6,307.23

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4213. Barker					
1,215. Dec. 27, 1919 (12)					
5309. Instruments and supplies, 1925	$190.62	$104.08			$54.31
5327. Recreation, 1925		399.44			
5401. Ordnance and ordnance stores, 1925	20.80	319.05	$38.73		17.03
5501. Construction and Repair, 1925	4,460.22	3,841.47	2,807.10	$7.68	1,778.91
5601. Engineering, 1925	1,820.47	4,815.02	11,601.60	46.32	1,200.90
5701. Pay, Navy, 1925		103,724.07			
5702. Provisions, 1925		23,910.41			
5704. Maintenance, Supplies and Accounts, 1925	16.63	512.20			6.77
5708. Fuel and transportation, 1925		32,964.35			
Total current year appropriations	6,508.74	170,590.09	14,447.43	54.00	3,057.92
All prior year appropriations	36.29	439.27			
Appropriation purchases account material and industrial overhead	*95,079.95*	14,561.35	7,490.33	2.51	1,243.25
Grand total	*88,534.92*	185,590.71	21,937.76	56.51	4,301.17
4248. Barry					
1,215. Dec. 28, 1920 (12)					
5309. Instruments and supplies, 1925	4,993.23	58.69		141.72	5.89
5327. Recreation, 1925		102.45			
5401. Ordnance and ordnance stores, 1925		432.95	.60	48.60	213.31
5501. Construction and Repair, 1925	798.77	3,893.84	2,302.04	1,117.96	106.21
5601. Engineering, 1925	1,779.81	4,747.03	3,384.18	850.02	435.33
5701. Pay, Navy, 1925		113,934.89			
5702. Provisions, 1925		22,837.33			
5704. Maintenance, Supplies and Accounts, 1925	195.76	569.16			55.30
5708. Fuel and transportation, 1925		38,323.48			
Total current year appropriations	7,767.57	184,899.82	5,686.82	2,158.30	816.04
All prior year appropriations	*734.20*	917.68	504.30	3,585.57	37.00
Appropriation purchases account material and industrial overhead	4,693.17	2,541.11	590.51	321.53	590.26
Grand total	11,726.54	188,358.61	6,781.63	6,065.40	1,443.30
4293. Billingsley					
1,215. Mar. 1, 1920 (12)					
5101. Pay, miscellaneous, 1925		710.54			
5309. Instruments and supplies, 1925	156.62	657.37			
5310. Ocean and lake surveys, Bureau of Navigation, 1925		6.43			
5327. Recreation, 1925		5.40			
5401. Ordnance and ordnance stores, 1925		342.38	271.55		
5501. Construction and Repair, 1925	950.28	4,047.23	298.21	*50.61*	129.03
5601. Engineering, 1925	194.94	5,750.04	1,327.10		364.43
5701. Pay, Navy, 1925		138,557.49			
5702. Provisions, 1925		41,387.38			
5704. Maintenance, Supplies and Accounts, 1925	164.89	714.06			33.76
5708. Fuel and transportation, 1925		92,785.66			
5801. Medical Department, 1925		5.08			
Total current year appropriation	1,466.73	284,969.06	1,896.86	*50.61*	527.22
All prior year appropriations	162.75	8,054.66			9.85
Appropriation purchases account material and industrial overhead	*5,986.81*	2,338.57	2,315.64	4,042.26	207.91
Grand total	*4,357.33*	295,362.29	4,212.50	3,991.65	744.98

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4215. Borie					
1,215. Mar. 24, 1920 (12)					
5309. Instruments and supplies, 1925	$215.12	$93.30			$26.32
5327. Recreation, 1925		358.85			
5401. Ordnanee and ordnance stores, 1925		368.44	$.76		115.74
5501. Construction and Repair, 1925	1,855.09	4,023.51	2,841.45	$7.68	413.91
5510. Inerease of thc Navy (joint Construetion and Repair and Engineering allotment)	*195.00*				
5601. Engineering, 1925	766.11	5,120.26	8,933.23	233.60	510.92
5701. Pay, Navy, 1925		108,134.80			
5702. Provisions, 1925		25,504.35			
5704. Maintenance, Supplies and Accounts, 1925	56.12	536.47			.73
5708. Fuel and transportation, 1925		44,194.44			
Total current year appropriations	2,697.44	188,334.42	11,775.44	241.28	1,067.62
All prior year appropriations		542.54			
Appropriation purchases aecount material and industrial overhead	*101,918.93*	12,197.62	2,408.05	2,178.88	498.02
Grand total	*99,221.49*	201,074.58	14,183.49	2,420.16	1,565.64
4283. Breck					
1,215. Dec. 1, 1919 (12)					
5309. Instruments and supplies, 1925	177.77	81.86			122.39
5327. Recreation, 1925		320.55			
5401. Ordnanee and ordnance stores, 1925	28.30	483.96	1,087.58	929.43	1,375.99
5501. Construetion and Repair, 1925	2,284.42	4,726.12	22,637.95	2,690.89	1,550.58
5510. Increase of thc Navy (joint Construction and Repair and Engineering allotment)				971.12	
5601. Engineering, 1925	3,945.67	6,073.61	57,832.38	5,399.28	1,190.18
5605. Engineering, 1925–26				255.58	
5701. Pay, Navy, 1925		122,345.43			
5702. Provisions, 1925		22,587.98			
5704. Maintenance, Supplies and Accounts, 1925	338.30	622.35			123.53
5708. Fuel and transportation, 1925		45,783.26			
Total eurrent year appropriations	6,774.46	203,025.12	81,557.91	10,246.30	4,362.67
All prior year appropriations	713.10	4,019.73		14,329.06	
Appropriation purchases account material and industrial overhead	*7,788.18*	31,524.15	15,591.64	3,785.19	540.36
Grand total	*300.62*	238,569.00	97,149.55	28,360.55	4,903.03
4232. Brooks					
1,215. June 18, 1920 (12)					
5101. Pay, miseellaneous, 1925		8.46			
5309. Instruments and supplies, 1925	5,023.03	154.10		53.60	101.15
5327. Recreation, 1925		220.12			
5401. Ordnanee and ordnance stores 1925	12.68	503.77	45.13	.07	4.17
5501. Construction and Repair, 1925	801.29	4,671.33	17,080.60	4,581.36	37.16
5510. Inerease of the Navy (joint Construction and Repair and Engineering allotment)				1,242.29	
5601. Engineering, 1925	676.30	4,373.59	2,230.87	201.77	38.91
5701. Pay, Navy, 1925		121,808.32			
5702. Provisions, 1925		25,140.87			
4704. Maintenanee, Supplies and Accounts, 1925	286.82	517.64			6.30
5708. Fuel and transportation, 1925		39,707.19			
Total current year appropriations	6,800.12	197,105.39	19,356.60	6,079.09	187.69
All prior year appropriations	56.00	6,793.99		2,131.29	
Appropriation purchases aceount material and industrial overhead	*11,609.72*	26,043.73	2,099.14	262.68	145.52
Grand total	*4,753.60*	229,943.11	21,455.74	8,473.06	333.21

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4329. Bruce					
1,215. Sept. 29, 1920 (12)					
5309. Instruments and supplies, 1925	$670.10	$40.02	$21.09		$33.87
5327. Recreation, 1925		109.00			
5401. Ordnance and ordnance stores, 1925.	9.64	391.19	213.48	$381.76	286.84
5501. Construction and Repair, 1925	2,975.36	3,691.47	6,498.20	1,983.26	1,507.82
5601. Engineeering, 1925	1,141.03	5,569.10	27,591.51	5,786.56	264.86
5701. Pay, Navy, 1925		134,031.33			
5702. Provisions, 1925		27,459.45			
5704. Maintenance, Supplies and Accounts, 1925	246.50	483.95			36.92
5708. Fuel and transportation, 1925		29,938.53			
Total current year appropriations	5,042.63	201,714.04	34,324.28	8,151.58	2,130.31
All prior year appropriations	17.04	6,729.73		62.47	
Appropriation purchases account material and industrial overhead	*6,796.25*	26,486.35	4,841.09	1,864.70	737.12
Grand total	*1,736.58*	234,930.12	39,165.37	10,078.75	2,867.43
4222. Bulmer					
1,215. Aug. 16, 1920 (12)					
5309. Instruments and supplies, 1925	5,507.82	67.80	.75	111.54	80.69
5327. Recreation, 1925		264.30			
5401. Ordnance and ordnance stores, 1925	31.16	526.88	74.18	1,130.31	263.41
5501. Construction and Repair, 1925	3,627.84	4,710.47	8,755.57	859.64	788.94
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				2,150.88	
5601. Engineering, 1925	3,060.56	5,162.53	16,836.95	2,118.89	421.75
5701. Pay, Navy, 1925		121,558.95			
5702. Provisions, 1925		24,909.67			
5704. Maintenance, Supplies and Accounts, 1925	465.33	655.42			2.85
5708. Fuel and transportation, 1925		41,000.94			
Total current year appropriations	12,692.71	198,856.96	25,667.45	6,371.26	1,557.64
All prior year appropriations	26.26	6,164.65		11,945.75	2.50
Appropriation purchases account material and industrial overhead	*2,837.44*	20,603.24	4,210.32	5,128.42	735.78
Grand total	9,881.53	225,624.85	29,877.77	23,445.43	2,295.92
4285. Case					
1,215. Dec. 8, 1919 (12)					
5101. Pay, miscellaneous, 1925		2.30			
5309. Instruments and supplies, 1925	205.92	41.20	2.50		105.85
5327. Recreation, 1925		112.80			
5401. Ordnance and ordnance stores, 1925		448.26	5.00	60.19	461.39
5501. Construction and Repair, 1925	889.26	3,796.06	4,389.42	654.26	2,264.03
5601. Engineering, 1925	810.98	5,583.99	22,331.61	1,689.78	979.30
5605. Engineering, 1925–26				11,135.56	
5701. Pay, Navy, 1925		125,562.16			
5702. Provisions, 1925		24,593.07			
5704. Maintenance, Supplies and Accounts, 1925	188.28	548.45			
5708. Fuel and transportation, 1925		52,404.07			
Total current year appropriations	2,094.44	213,092.36	26,728.53	13,529.79	3,810.57
All prior year appropriations	12.75	6,045.64		*4.64*	
Appropriation purchases account material and industrial overhead	*5,028.15*	32,269.17	4,499.66	2,258.13	245.04
Grand total	*2,920.96*	251,407.17	31,228.19	15,783.28	4,055.61

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4294. Charles Ausburne					
1,215. Mar. 23, 1920 (12)					
5101. Pay, miscellaneous, 1925		$89.61			
5309. Instruments and supplies, 1925	$785.59	194.56			$3.89
5327. Recreation, 1925		288.20			
5401. Ordnance and ordnance stores, 1925	5.00	634.57	$166.47	$347.10	1,160.58
5501. Construction and Repair, 1925	5,886.87	6,756.97	15,059.03	2,568.41	1,384.94
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				6,111.77	
5601. Engineering, 1925	1,741.20	8,502.66	33,706.59	15,496.81	510.89
5701. Pay, Navy, 1925		129,747.72			
5702. Provisions, 1925		23,410.24			
5704. Maintenance, Supplies and Accounts, 1925	1,693.17	921.91			36.25
5708. Fuel and transportation, 1925		38,497.74			
Total current year appropriations	10,111.83	209,044.18	48,932.09	24,524.09	3,096.55
All prior year appropriations	197.75	7,803.92		2,027.92	7.50
Appropriation purchases account material and industrial overhead	7,631.87	30,025.60	4,562.85	2,166.45	414.16
Grand total	17,941.45	246,873.70	53,494.94	28,718.46	3,518.21
4323. Chase					
1,215. Mar. 10, 1921 (12)					
5101. Pay, miscellaneous, 1925		21.53			
5309. Instruments and supplies, 1925	337.49	60.19			353.94
5327. Recreation, 1925		164.75			
5401. Ordnance and ordnance stores, 1925	12.69	527.28		2.25	6,482.34
5501. Construction and Repair, 1925	5,382.78	5,428.84	11,739.04	2,146.59	2,772.34
5601. Engineering, 1925	3,034.94	6,315.33	45,045.08	6,684.60	2,116.46
5701. Pay, Navy, 1925		109,889.19			
5702. Provisions, 1925		23,627.64			
5704. Maintenance, Supplies, and Accounts, 1925	451.08	722.39			14.90
5708. Fuel and transportation, 1925		33,482.81			
Total current year appropriations	9,218.98	180,239.95	56,784.12	8,833.44	11,739.98
All prior year appropriations	52.56	5,327.74		2,043.13	
Appropriation purchases account material and industrial overhead	6,847.74	48,897.97	12,479.25	958.49	5,317.10
Grand total	16,119.28	234,465.66	69,263.37	11,835.06	17,057.08
4241. Childs					
1,215. Oct. 22, 1920 (12)					
5101. Pay, miscellaneous, 1925		36.22			
5309. Instruments and supplies, 1925	1,132.32	152.04			170.10
5327. Recreation, 1925		470.26			
5401. Ordnance and ordnance stores, 1925	3.17	578.78	1,196.80	115.81	732.47
5501. Construction and Repair, 1925	9,554.46	5,083.95	8,031.70	1,196.68	891.06
5601. Engineering, 1925	5,293.66	5,602.40	18,232.88	1,461.13	709.49
5701. Pay, Navy, 1925		125,643.79			
5702. Provisions, 1925		24,000.48			
5704. Maintenance, Supplies, and Accounts, 1925	419.37	690.66			83.39
5708. Fuel and transportation, 1925		34,453.89			
Total current year appropriations	16,402.98	196,712.47	27,461.38	2,773.62	2,586.51
All prior year appropriations	19.70	1,917.13		17,006.09	15.66
Appropriation purchases account material and industrial overhead	*14,510.92*	35,995.78	5,203.98	1,885.30	792.47
Grand total	1,911.76	234,625.38	32,665.36	21,665.01	3,394.64

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4326. Coghlan					
1,215. Mar. 31, 1921 (12)					
5101. Pay, miscellaneous, 1925		$3.60			
5309. Instruments and supplies, 1925	$673.50	90.95	$29.90		$80.74
5327. Recreation, 1925		260.29			
5401. Ordnance and ordnance stores, 1925	72.54	609.14	46.40	$12.37	1,944.43
5501. Construction and Repair, 1925	3,116.82	4,987.93	10,827.20	627.40	2,485.42
5510. Increase of the Navy (joint construction and repair and engineering allotment)				7,228.94	
5601. Engineering, 1925	1,925.21	6,558.19	28,001.75	4,359.87	823.10
5605. Engineering, 1925–26				10,963.40	
5701. Pay, Navy, 1925		124,967.71			
5702. Provisions, 1925		24,127.56			
5704. Maintenance, Supplies, and Accounts, 1925	390.54	693.81			54.99
5708. Fuel and transportation, 1925		42,626.76			
Total current year appropriations	6,178.61	204,925.94	38,905.25	23,191.98	5,388.68
All prior year appropriations	1,480.33	309.47		1,981.95	71.11
Appropriation purchases account material and industrial overhead	*170.82*	14,519.69	11,422.02	3,269.82	897.97
Grand total	7,488.12	219,755.10	50,327.27	28,443.75	6,357.76
4291. Converse					
1,215. Apr. 28, 1920 (12)					
5101. Pay, miscellaneous, 1925		126.48			
5309. Instruments and supplies, 1925	160.84	378.20			.96
5327. Recreation, 1925		469.11			
5401. Ordnance and ordnance stores, 1925		370.63			20.70
5501. Construction and Repair, 1925	319.97	3,634.49	1,671.03	*35.49*	99.37
5601. Engineering, 1925	636.56	6,205.13	6,534.30	33.80	163.20
5701. Pay, Navy, 1925		143,260.51			
5702. Provisions, 1925		33,717.38			
5704. Maintenance, Supplies, and Accounts, 1925	45.94	682.99			
5708. Fuel and transportation, 1925		55,037.85			
Total current year appropriations	1,163.31	243,882.77	8,205.33	*1.69*	284.23
All prior year appropriations	567.75	7,174.90			
Appropriation purchases account material and industrial overhead	*4,833.95*	4,864.76	388.96	*1.13*	
Grand total	*3,102.89*	255,922.43	8,594.29	*2.82*	284.23
4334. Corry					
1,215. May 25, 1921 (12)					
5309. Instruments and supplies, 1925	124.37	37.48		5,800.02	81.97
5327. Recreation, 1925		155.65			
5401. Ordnance and ordnance stores, 1925		311.75	22.04	17.30	3,400.21
5501. Construction and Repair, 1925	1,407.72	3,397.32	6,123.29	1,701.63	958.13
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				79.21	
5601. Engineering, 1925	520.73	4,531.98	16,594.50	3,589.81	1,538.88
5701. Pay, Navy, 1925		109,073.73			
5702. Provisions, 1925		23,304.84			
5704. Maintenance, Supplies, and Accounts, 1925	186.30	449.67			42.65
5708. Fuel and transportation, 1925		28,531.26			
Total current year appropriations	2,239.12	169,793.68	22,739.83	11,187.97	6,021.84
All prior year appropriations	66.46	2,816.49		1,986.40	16.00
Appropriation purchases account material and industrial overhead	*10,818.21*	18,183.91	4,678.13	732.54	1,843.41
Grand total	*8,512.63*	190,794.08	27,417.96	13,906.91	7,881.25

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4290. Dale					
1,215. Feb. 16, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	$54.02	----------	----------	----------
5309. Instruments and supplies, 1925	$150.38	668.33	----------	----------	----------
5327. Recreation, 1925	----------	70.00	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	2.75	365.83	----------	*$165.14*	*$83.70*
5501. Construction and Repair, 1925	1,891.23	4,456.16	$272.47	*590.29*	223.49
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	----------	----------	----------	1,074.74	----------
5601. Engineering, 1925	1,315.16	6,419.68	872.56	*1,954.09*	755.96
5701. Pay, Navy, 1925	----------	128,999.33	----------	----------	----------
5702. Provisions, 1925	----------	38,959.26	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	93.20	864.04	----------	----------	----------
5708. Fuel and transportation, 1925	----------	60,458.14	----------	----------	----------
Total current year appropriations	3,452.72	241,314.79	1,145.03	*1,634.78*	895.75
All prior year appropriations	183.93	9,006.38	----------	*3.00*	----------
Appropriation purchases account material and industrial overhead	*11,680.20*	9,220.67	*10.25*	1,830.40	143.42
Grand total	*8,043.55*	259,541.84	1,134.78	192.62	1,039.17
4199. Dallas					
1,308. Oct. 29, 1920 (3)					
5309. Instruments and supplies, 1925	3,409.69	96.39	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	13.09	786.07	1,280.48	3,810.95	143.59
5501. Construction and Repair, 1925	22,421.02	8,676.32	22,748.47	29,010.90	795.94
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	----------	----------	----------	4,735.84	----------
5601. Engineering, 1925	39,049.16	9,321.87	25,619.55	30,067.55	35.89
5605. Engineering, 1925-26	----------	----------	----------	17,576.93	----------
5701. Pay, Navy, 1925	----------	25,978.19	----------	----------	----------
5702. Provisions, 1925	----------	5,014.61	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	1,538.10	1,156.83	----------	----------	----------
5708. Fuel and transportation, 1925	----------	4,940.36	----------	----------	----------
Total current year appropriations	66,431.06	55,970.64	49,648.50	85,202.17	975.42
All prior year appropriations	----------	----------	----------	----------	----------
Appropriation purchases account material and industrial overhead	206,533.65	24,512.92	7,737.92	18,650.22	120.28
Grand total	272,964.71	80,483.56	57,386.42	103,852.39	1,095.70
4341. Decatur					
1215. Aug. 9, 1922 (12)					
5101. Pay, miscellaneous, 1925	----------	38.42	----------	----------	----------
5309. Instruments and supplies, 1925	111,97	44.50	----------	5,700.00	51.87
5327. Recreation, 1925	----------	394.18	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	9.10	531.15	71.80	----------	107.36
5501. Construction and Repair, 1925	513.68	4,005.03	3,584.62	179.93	254.42
5601. Engineering, 1925	4,325.37	5,297.98	11,893.04	44.50	1,529.81
5605. Engineering, 1925-26	----------	----------	----------	137.20	----------
5701. Pay, Navy, 1925	----------	137,284.46	----------	----------	----------
5702. Provisions, 1925	----------	23,714.60	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	972.05	648.02	----------	----------	7.44
5708. Fuel and transportation, 1925	----------	21,989.04	----------	----------	----------
Total current year appropriations	5,932.17	193,947.38	15,549.46	6,061.63	1,950.90
All prior year appropriations	3,245.03	4,719.42	----------	1,929.00	----------
Appropriation purchases account material and industrial overhead	7,591.85	10,682.69	999.78	1.63	71.91
Grand total	16,769.05	209,349.49	16,549.24	7,992.26	2,022.81

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4280. Doyen					
1308. Dec. 17, 1919 (12)					
5101. Pay, miscellaneous, 1925		$129.35			
5309. Instruments and supplies, 1925	$87.66	51.28			$137.16
5327. Recreation, 1925		345.65			
5401. Ordnance and ordnance stores, 1925		455.09			6,975.95
5501. Construction and Repair, 1925	1,634.73	4,628.52	$9,191.30	$4,058.97	2,479.11
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				16,152.41	
5601. Engineering, 1925	3,083.61	5,735.80	44,249.08	5,226.68	1,259.72
5605. Engineering, 1925–26				4,730.79	
5701. Pay, Navy, 1925		104,276 06			
5702. Provisions, 1925		22,971.96			
5704. Maintenance, Supplies and Accounts, 1925	351.62	683.35			
5708. Fuel and transportation, 1925		29,374.59			
Total current year appropriations	5,157.62	168,651.65	53,440.38	30,168.85	10,851.94
All prior year appropriations	95.21	3,974.83	233.61	1,949.26	
Appropriation purchases account material and industrial overhead	34,053.64	41,855.67	5,049.62	4,867.01	1,745.20
Grand total	39,306.47	214,482.15	58,723.61	36,985.12	12,597.14
4219. Edsall					
1215. Nov. 26, 1920 (12)					
5101. Pay, miscellaneous, 1925		271.83			
5309. Instruments and supplies, 1925	6,229.59	81.32	3.50	118.79	2.78
5327. Recreation, 1925		470.28			
5401. Ordnance and ordnance stores, 1925		553.29	224.93	399.27	441.02
5501. Construction and Repair, 1925	3,322.85	5,207.70	7,334.68	588.76	2,295.89
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				1,880.56	
5601. Engineering, 1925	2,751.27	5,605.26	15,198.05	2,101.81	821.79
5701. Pay, Navy, 1925		131,948.55			
5702. Provisions, 1925		23,953.15			
5704. Maintenance, Supplies and Account, 1925	1,198.68	754.73			44.63
5708. Fuel and transportation, 1925		35,791.28			
Total current year appropriations	13,502.39	204,637.39	22,761.16	5,089.19	3,606.11
All prior year appropriations	2,142.26	13,670.82		13,644.88	8.14
Appropriation purchases account material and industrial overhead	*1,201.64*	14,771.74	3,473.73	2,904.40	522.12
Grand total	14,443.01	233,079.95	26,234.89	21,638.47	4,136.37
4332. Farenholt					
1,215. May 10, 1921 (12)					
5101. Pay, miscellaneous, 1925		2.28			
5309. Instruments and supplies, 1925	480.09	63.23			223.10
5327. Recreation, 1925		398.48			
5401. Ordnance and ordnance stores, 1925	3.75	438.54	70.77	2.29	1,780.20
5501. Construction and Repair, 1925	2,664.56	4,350.17	11,419.98	902.24	1,800.63
5601. Engineering, 1925	1,935.72	5,276.84	22,643.36	12,465.86	2,247.80
5605. Engineering, 1925–26				4,709.96	
5701. Pay, Navy, 1925		104,339.32			
5702. Provisions, 1925		24,213.72			
5704. Maintenance, Supplies, and Accounts, 1925	268.92	578.72			51.46
5708. Fuel and transportation, 1925		25,942.75			
Total current year appropriations	5,353.04	165,604.05	34,134.11	18,080.35	6,103.19
All prior year appropriations	4,042.65	7,778.96		1,985.59	361.72
Appropriation purchases account material and industrial overhead	20,243.32	11,014.35	7,357.53	4,317.52	1,232.38
Grand total	29,639.01	184,397.36	41,491.64	24,383.46	7,697.29

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4304. Farquhar					
1,215. Aug. 5, 1920 (12)					
5309. Instruments and supplies, 1925	$319.22	$76.99			$161.73
5327. Recreation, 1925		133.33			
5401. Ordnance and ordnance stores, 1925	1.50	617.41	$691.97		3,406.83
5501. Construction and Repair, 1925	6,121.51	6,945.02	9,070.67	$704.92	1,201.65
5601. Engineering, 1925	3,657.57	7,995.43	47,717.72	2,443.22	833.58
5605. Engineering, 1925–26				1.00	
5701. Pay, Navy, 1925		120,420.73			
5702. Provisions, 1925		24,950.25			
5704. Maintenance, Supplies, and Accounts, 1925	311.05	960.19			63.83
5708. Fuel and transportation, 1925		29,066.03			
Total current year appropriations	10,410.85	191,165.38	57,480.36	3,149.14	5,667.62
All prior year appropriations		3,883.37		2,038.38	10.00
Appropriation purchases account material and industrial overhead	*3,769.93*	40,498.47	7,916.33	479.26	4,778.30
Grand total	6,640.92	235,547.22	65,396.69	5,666.78	10,455.92
4300. Farragut					
1,215. June 4, 1920 (12)					
5101. Pay, miscellaneous, 1925		69.72			
5309. Instruments and supplies, 1925	594.56	60.93	31.95		128.00
5327. Recreation, 1925		376.08			
5401. Ordnance and ordnance stores, 1925	33.75	513.63	71.82		6,954.71
5501. Construction and Repair, 1925	1,362.10	5,506.41	12,759.12	4,017.24	4,437.24
5601. Engineering, 1925	1,046.87	6,441.16	37,310.20	7,856.26	1,666.48
5605. Engineering, 1925–26				681.48	
5701. Pay, Navy, 1925		118,092.51			
5702. Provisions, 1925		23,891.44			
5704. Maintenance, Supplies, and Accounts, 1925	233.44	791.36			31.56
5708. Fuel and transportation, 1925		22,281.37			
Total current year appropriations	3,270.72	178,024.61	50,173.09	12,554.98	13,217.99
All prior year appropriations	162.53	3,633.32		16,780.30	
Appropriation purchases account material and industrial overhead	50,041.99	17,992.87	6,277.00	5,040.24	2,033.62
Grand total	53,475.24	199,650.80	56,450.09	34,375.52	15,251.61
4289. Flusser					
1,215. Feb. 25, 1902 (12)					
5101. Pay, miscellaneous, 1925		177.53			
5309. Instruments and supplies, 1925	158.08	586.35			1.95
5327. Recreation, 1925		91.44			
5401. Ordnance and ordnance stores, 1925		212.94			
5501. Construction and Repair, 1925	201.03	2,737.74	397.48	72.47	16.91
5601. Engineering, 1925	2,067.97	5,678.99	2.00		272.00
5701. Pay, Navy, 1925		130,598.08			
5702. Provisions, 1925		36,185.27			
5704. Maintenance, Supplies, and Accounts, 1925	16.35	611.81			
5708. Fuel and transportation, 1925		59,425.30			
Total current year appropriations	2,443.43	236,305.45	399.48	72.47	290.86
All prior year appropriations	1,591.83	5,731.00			
Appropriation purchases account material and industrial overhead	*a7,296.44*	7,846.60	360.00	503.93	
Grand total	*3,261.18*	249,883.05	759.48	576.40	290.86

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, LIRST LINE—continued					
4233. Gilmer					
1,215. Apr. 30, 1920 (12)					
5101. Pay, miscellaneous, 1925		$41. 49			
5309. Instruments and supplies, 1925	$833. 41	68. 47			$135. 46
5327. Recreation, 1925		277. 74			
5401. Ordnance and ordnance stores, 1925	2. 71	493. 81	$22. 37	$138. 90	1, 183. 77
5501. Construction and Repair, 1925	2, 272. 74	4, 127. 42	6, 829. 19	920. 68	364. 04
5601. Engineering, 1925	1, 330. 36	5, 033. 79	23, 408. 94	6, 089. 15	1, 184. 20
5701. Pay, Navy, 1925		150, 604. 85			
5702. Provisions, 1925		24, 432. 06			
5604. Maintenance, Supplies, and Accounts, 1925	490. 07	550. 79			18. 15
5708 Fuel and transportation, 1925		31, 009. 47			
Total current year appropriations	4, 929. 29	216, 639. 89	30, 260. 50	7, 148. 73	2, 885. 62
All prior year appropriations	2, 500. 00	2, 977. 74		7, 746. 77	
Appropriation purchases account material and industrial overhead	1, 310. 95	25, 629. 18	5, 207. 55	4, 038. 20	660. 45
Grand total	8, 740. 24	245, 246. 81	35, 468. 05	18, 933. 70	3, 546. 07
4247. Goff					
1,215. Jan. 19, 1921 (12)					
5101. Pay, miscellaneous, 1925		4 90			
5309. Instruments and supplies, 1925	494. 03	69. 43			42. 84
5237. Recreation, 1925		123. 50			
5401. Ordnance and ordnance stores. 1925		363. 73			85. 26
5501. Construction and Repair, 1925	1, 237 15	4, 129. 29	2, 977. 09	44. 78	2, 420. 41
5601. Engineering, 1925	1, 483. 8.	4, 624. 89	12, 638. 59	56. 39	233. 37
5701. Pay, Navy, 1925		115, 477. 33			
5702. Provisions, 1925		23, 751. 77			
5704. Maintenance, Supplies and Accounts, 1925	266. 94	599. 98			33. 13
5708. Fuel and transportation, 1925		45, 107. 96			
Total current year appropriations	3, 481. 99	194, 252. 78	15, 615. 68	101. 17	2, 815. 01
All prior year appropriations	6. 03	5, 168. 56	1. 30	2, 501. 52	4. 54
Appropriation purchases account material and industrial overhead	*20, 112. 46*	23, 818. 78	3, 520. 62	80. 54	452. 95
Grand total	*16, 624. 44*	223, 240. 12	19, 137. 60	2, 683. 23	3, 272. 50
4231. Hatfield					
1,215. Apr. 16, 1920 (12)					
5309. Instruments and supplies, 1925	437. 21	122. 39			17. 80
5327. Recreation, 1925		316. 35			
5401. Ordnance and ordnance stores. 1925.	2. 68	526. 44	11. 48	190. 61	705. 36
5501. Construction and Repair, 1925	1, 676. 23	4, 413. 00	8, 505. 53	968. 10	1, 323. 47
5601. Engineering, 1925	1, 632. 39	5, 150. 25	18, 868. 51	1, 724. 97	280. 10
7501. Pay, Navy, 1925		118, 821. 48			
5702. Provisions, 1925		23, 879. 69			
5704. Maintenance, Supplies and Accounts, 1925	250. 07	654. 53			20. 32
5708. Fuel and transportation, 1925		44, 362. 14			
Total current year appropriations	3, 998. 58	198, 246. 27	27, 385. 52	2. 883. 68	2, 347. 05
All prior year appropriations	194. 18	7, 723. 50	19. 50	2, 197. 98	
Appropriation purchases account material and industrial overhead	*15, 508. 41*	30, 264. 75	16, 866. 53	5, 317. 26	915. 79
Grand total	*11, 315. 65*	236. 234. 52	44, 271. 55	10, 398. 92	3, 262. 84

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4278. Henshaw					
1,215. Dec. 10, 1919 (12)					
5101. Pay, miscellaneous, 1925		$20.90			
5309. Instruments and supplies, 1925	$72.53	45.70			$32.30
5327. Recreation, 1925		280.68			
5401. Ordnance and ordnance stores, 1925	23.40	397.45	$1,010.15		1,635.34
5501. Construction and Repair, 1925	3,139.34	4,115.92	6,829.04	$140.90	1,140.13
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				15,330.63	
5601. Engineering, 1925	1,686.66	5,435.64	36,876.27	3,709.96	1,311.27
5605. Engineering, 1925-26				128.32	
5701. Pay, Navy, 1925		114,751.15			
5702. Provisions, 1925		24,459.68			
5704. Maintenance, Supplies and Accounts, 1925	82.71	548.06			47.13
5708. Fuel and transportation, 1925		23,785.18			
Total current year appropriations	5,004.64	173,840.36	44,715.46	19,309.81	4,166.17
All prior year appropriations	228.90	3,766.52		1,949.93	
Appropriation purchases account material and industrial overhead	264.64	13,585.69	6,850.23	6,512.71	914.61
Grand total	5,498.18	191,192.57	51,565.69	27,772.45	5,080.78
4342. Hulbert					
1,215. Oct. 27, 1920 (12)					
5309. Instruments and supplies, 1925	281.17	121.74			42.22
5327. Recreation, 1925		36.52			
5401. Ordnance and ordnance stores, 1925		354.49	255.18	36.06	209.86
5501. Construction and Repair, 1925	5,669.51	4,054.20	5,372.34	133.54	1,335.81
5601. Engineering, 1925	868.49	4,877.88	12,487.88	1,908.24	625.53
5701. Pay, Navy, 1925		77,930.11			
5702. Provisions, 1925		23,419.56			
5704. Maintenance, Supplies and Accounts, 1925	136.49	540.02			44.58
5708. Fuel and transportation, 1925		34,088.69			
Total current year appropriations	6,955.66	145,423.21	18,115.40	2,077.84	2,257.92
All prior year appropriations		1,945.10			32.96
Appropriation purchases account material and industrial overhead	*26,556.75*	66,004.09	4,453.70	948.18	531.93
Grand total	*19,601.09*	213,372.40	22,569.10	3,026.02	2,822.81
4330. Hull					
1,215. Apr. 26, 1921 (12)					
5101. Pay, miscellaneous, 1925		14.80			
5309. Instruments and supplies, 1925	246.80	49.70			211.77
5327. Recreation, 1925		217.32			
5401. Ordnance and ordnance stores, 1925		477.24		2.17	706.99
5501. Construction and Repair, 1925	1,433.24	4,495.69	6,000.84	358.29	101.59
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				5,407.66	
5601. Engineering, 1925	1,664.01	5,337.53	17,439.92	4,757.48	1,150.61
5701. Pay, Navy, 1925		115,164.69			
5702. Provisions, 1925		23,990.75			
5704. Maintenance, Supplies and Accounts, 1925	106.18	595.90			43.70
5708. Fuel and transportation, 1925		27,664.43			
Total current year appropriations	3,450.23	178,008.05	23,440.76	10,525.60	2,214.66
All prior year appropriations	679.83	3,116.51	251.51	82.41	9.63
Appropriation purchases account material and industrial overhead	*9,818.65*	27,846.68	8,127.42	387.17	317.79
Grand total	*5,688.59*	208,971.24	31,819.69	10,995.18	2,542.08

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4249. Hopkins					
1,215. Mar. 21, 1921 (12)					
5101. Pay, miscellaneous, 1925		$2.00			
5309. Instruments and supplies, 1925	$317.32	93.81	$7.60		$172.85
5327. Recreation, 1925		258.55			
5401. Ordnance and ordnance stores, 1925	5.42	552.59	358.10	$30.60	244.69
5501. Construction and Repair, 1925	3,330.47	4,582.85	4,744.64	7,699.71	1,337.97
5601. Engineering, 1925	14,041.12	5,597.73	8,132.74	1,274.79	430.20
5701. Pay, Navy, 1925		140,461.33			
5702. Provisions, 1925		25,682.39			
5704. Maintenance, Supplies and Accounts, 1925	1,088.21	692.05			55.14
5708. Fuel and transportation, 1925		38,913.52			
Total current year appropriations	18,782.54	216,836.82	13,243.08	9,005.10	2,240.85
All prior year appropriations	24.55	2,933.51	*22.02*	20.94	
Appropriation purchases account material and industrial overhead	*17,799.49*	16,315.30	1,517.88	636.76	111.33
Grand total	1,007.60	236,085.63	14,738.94	9,662.80	2,352.18
4236. Humphreys					
1,215. July 21, 1920 (12)					
5309. Instruments and supplies, 1925	209.52	79.35			105.29
5327. Recreation, 1925		78.05			
5401. Ordnance and ordnance stores, 1925	2.47	664.50	27.04	359.31	1,068.46
5501. Construction and Repair, 1925	5,377.40	5,739.91	9,988.24	995.74	1,380.61
5601. Engineering, 1925	2,487.17	6,596.37	25,405.41	2,447.04	1,650.28
5701. Pay, Navy, 1925		121,396.91			
5702. Provisions, 1925		22,812.33			
5704. Maintenance, Supplies and Accounts, 1925	318.40	777.44			
5708. Fuel and transportation, 1925		33,963.49			
Total current year appropriations	8,394.96	192,108.35	35,420.69	3,802.09	4,204.64
All prior year appropriations	*45.00*	5,566.41		17,204.30	18.00
Appropriation purchases account material and industrial overhead	*39,646.04*	46,609.55	5,212.74	26,112.03	5,921.61
Grand total	*31,296.08*	244,284.31	40,633.43	47,118.42	10,144.25
4284. Isherwood					
1,215. Dec. 4, 1919 (12)					
5309. Instruments and supplies, 1925	293.61	172.22	15.17		142.36
5327. Recreation, 1925		73.54			
5401. Ordnance and ordnance stores, 1925	3.63	375.98	156.37	806.32	1,324.82
5501. Construction and Repair, 1925	1,201.48	3,715.38	10,724.23	2,559.48	718.00
5510. Increase of the Navy (joint construction and repair and engineering allotment)				211.64	
5601. Engineering, 1925	762.14	5,044.79	34,445.24	2,919.27	475.71
5701. Pay, Navy, 1925		126,702.22			
5702. Provisions, 1925		25,532.85			
5704. Maintenance Supplies and Accounts, 1925	409.56	526.41			.49
5708. Fuel and transportation, 1925		42,904.48			
Total current year appropriations	2,670.42	205,047.87	45,341.01	6,496.71	2,661.38
All prior year appropriations		6,245.78		13,340.92	23.77
Appropriation purchases account material and industrial overhead	*7,398.51*	16,303.88	12,062.63	2,829.11	748.31
Grand total	*4,728.09*	227,597.53	57,403.64	22,666.74	3,433.46

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4238. J. K. Paulding					
1,308. ——— (12)					
5101. Pay, miscellaneous, 1925	----------	$218.32	----------	----------	----------
5309. Instruments and supplies, 1925	$764.10	61.79	----------	----------	$22.17
5327. Recreation, 1925	----------	189.76	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	6.34	435.98	$52.00	$169.58	428.74
5501. Construction and repair, 1925					
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	4,509.17	3,440.65	5,904.01	44.92	3,641.94
5601. Engineering, 1925	656.24	4,122.50	20,509.92	2,176.46	922.77
5701. Pay, Navy, 1925	----------	118,351.97	----------	----------	----------
5702. Provisions, 1925	----------	22,742.12	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	425.09	504.17	----------	----------	4.36
5708. Fuel and transportation, 1925	----------	45,335.39	----------	----------	----------
Total current year appropriations	6,360.94	195,402.65	26,465.93	2,390.96	5,019.98
All prior year appropriations	21.76	6,276.52	51.50	1,962.98	----------
Appropriation purchases account material and industrial overhead	*2,454.92*	21,925.14	11,545.32	243.10	984.07
Grand total	3,927.78	223,604.31	38,062.75	4,597.04	6,004.05
4216. John D. Edwards					
1,215. ——— (12)					
5309. Instruments and supplies, 1925	778.91	98.12	----------	----------	53.65
5327. Recreation, 1925	----------	377.37	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	15.14	338.26	----------	----------	43.54
5501. Construction and Repair, 1925	3,438.58	3,764.09	2,271.34	7.68	851.10
5601. Engineering, 1925	502.56	4,750.68	3,651.47	147.87	331.07
5701. Pay, Navy, 1925	----------	108,402.42	----------	----------	----------
5702. Provisions, 1925	----------	26,313.60	----------	----------	----------
5704. Maintenance Supplies and Accounts, 1925	129.31	501.87	----------	----------	20.16
5708. Fuel and transportation, 1925	----------	15,705.22	----------	----------	----------
Total current year appropriations	4,864.50	160,251.63	5,922.81	155.55	1,299.52
All prior year appropriations	----------	14,289.16	----------	----------	----------
Appropriation purchases account material and industrial overhead	*160,805.95*	87,562.17	1,275.98	16.82	345.13
Grand total	*155,941.45*	262,102.96	7,198.79	172.37	1,644.65
4228. John D. Ford					
1,215. —— (12)					
5101. Pay, miscellaneous, 1925	----------	6.11	----------	----------	----------
5309. Instruments and supplies, 1925	314.16	324.56	----------	----------	68.51
5327. Recreation, 1925	----------	20.95	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	337.20	17.50	72.05	173.29
5501. Construction and Repair, 1925	2,790.98	4,014.04	1,261.65	40.44	317.90
5601. Engineering, 1925	1,085.42	4,439.05	2,374.03	47.31	400.41
5701. Pay, Navy, 1925	----------	78,788.42	----------	----------	----------
5702. Provisions, 1925	----------	25,541.50	----------	----------	----------
5704. Maintenance, Supplies, and Accounts, 1925	173.04	535.22	----------	----------	26.09
5708. Fuel and transportation, 1925	----------	35,191.08	----------	----------	----------
5802. Contingent, medicine, and surgery, 1925	----------	4.56	----------	----------	----------
Total current year appropriations	4,363.60	149,202.69	3,653.18	159.80	986.20
All prior year appropriations	----------	342.05	----------	----------	----------
Appropriation purchases account material and industrial overhead	*9,839.09*	35,296.54	497.75	----------	154.34
Grand total	*5,475.49*	184,841.28	4,150.93	159.80	1,140.54

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4299. John Francis Burnes					
1,250. Oct. 18, 1918 (12)					
5309. Instruments and supplies, 1925	$667.72	$116.14			$207.36
5327. Recreation, 1925		301.45			
5401. Ordnance and ordnance stores, 1925	9.74	446.55	$3.95		2,484.81
5501. Construction and Repair, 1925	4,000.46	4,061.69	7,245.53	$2,822.33	2,381.33
5601. Engineering, 1925	2,465.14	4,991.05	31,997.65	7,969.15	1,940.69
5701. Pay, Navy, 1925		125,007.73			
5702. Provisions, 1925		24,737.65			
5704. Maintenance, Supplies, and Accounts, 1925	213.38	601.61			44.63
5708. Fuel and transportation, 1925		31,052.10			
Total current year appropriations	7,356.44	191,315.97	39,247.13	10,791.48	7,058.82
All prior year appropriations	190.86	6,329.05		11,199.90	110.00
Appropriation purchases account material and industrial overhead	*4,902.04*	19,139.32	4,619.81	4,091.16	526.77
Grand total	2,645.26	216,784.34	43,866.94	26,082.54	7,695.59
4235. Kane					
1,215. June 11, 1920 (12)					
5101. Pay, miscellaneous, 1925		24.04			
5309. Instruments and supplies, 1925	434.92	261.10			34.43
5327. Recreation, 1925		194.25			
5401. Ordnance and ordnance stores, 1925	13.28	547.59	493.49	513.89	893.54
5501. Construction and Repair, 1925	6,969.00	4,386.40	10,332.27	1,191.37	798.28
5601. Engineering, 1925	2,468.50	4,951.00	9,315.10	1,348.21	829.36
5701. Pay, Navy, 1925		115,269.66			
5702. Provisions, 1925		22,279.22			
5704. Maintenance, Supplies, and Accounts, 1925	110.29	618.77			5.81
5708. Fuel and transportation, 1925		44,115.70			
Total current year appropriations	9,995.99	192,647.73	20,140.86	3,053.47	2,561.42
All prior year appropriations	*90.15*	6,630.61	66.50	1,972.95	42.53
Appropriation purchases account material and industrial overhead	*17,079.38*	36,956.61	2,090.18	*1,531.93*	634.27
Grand total	*7,173.54*	236,234.95	22,297.54	3,494.49	3,238.22
4306. Kennedy					
1,215. Aug. 28, 1920 (12)					
5101. Pay, miscellaneous, 1925		2.25			
5309. Instruments and supplies, 1925	727.83	61.36	149.75		282.86
5327. Recreation, 1925		273.82			
5401. Ordnance and ordnance stores, 1925	11.82	629.30	71.87		4,837.98
5501. Construction and Repair, 1925	1,948.17	5,595.77	14,113.39	3,353.96	4,277.49
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				2.50	
5601. Engineering, 1925	897.80	7,280.99	57,825.51	5,863.24	2,344.91
5605. Engineering, 1925–26				4,492.94	
5701. Pay, Navy, 1925		119,139.37			
5702. Provisions, 1925		23,795.17			
5704. Maintenance, Supplies, and Accounts, 1925	263.17	796.01			22.37
5708. Fuel and transportation, 1925		23,365.70			
Total current year appropriations	3,848.79	180,939.74	72,160.52	13,712.64	11,765.61
All prior year appropriations	20.38	3,888.90		1,98.64	
Appropriation purchases account material and industrial overhead	*258.75*	17,022.22	8,442.77	3,197.21	1,480.35
Grand total	3,610.42	201,850.86	80,603.29	17,108.49	13,245.96

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4319. Kidder					
1,215. Feb. 7, 1921 (12)					
5309. Instruments and supplies, 1925	$574.62	$51.27	$0.15		$146.23
5327. Recreation, 1925		81.55			
5401. Ordnance and ordnance stores, 1925		537.38		$16.29	2,153.08
5501. Construction and Repair, 1925	1,373.48	4,612.96	$5,148.69	782.04	1,955.51
5601. Engineering, 1925	909.85	4,847.67	17,822.14	1,568.77	1,540.39
5701. Pay, Navy, 1925		148,414.39			
5702. Provisions, 1925		23,006.43			
5704. Maintenance, Supplies, and Accounts, 1925	80.02	690.07			51.99
5708. Fuel and transportation, 1925		24,874.62			
Total current year appropriations	2,937.97	207,116.34	22,970.98	2,367.10	5,847.20
All prior year appropriations	276.67	3,367.74		2,202.99	
Appropriation purchases account material and industrial overhead	1,176.40	27,067.00	15,469.98	99.00	919.25
Grand total	4,391.04	237,551.08	38,440.96	4,669.09	6,766.45
4242. King					
1,215. Dec. 16, 1920 (12)					
5101. Pay, miscellaneous, 1925		18.15			
5309. Instruments and supplies, 1925	545.08	71.50			8.07
5327. Recreation, 1925		99.25			
5401. Ordnance and ordnance stores, 1925		448.45		156.73	303.51
5501. Construction and Repair, 1925	616.84	4,357.13	4,963.20	140.31	440.32
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				2,271.02	
5601. Engineering, 1925	845.81	5,439.05	10,178.46	520.48	339.46
5701. Pay, Navy, 1925		118,120.37			
5702. Provisions, 1925		23,843.83			
5704. Maintenance, Supplies, and Accounts, 1925	302.76	619.22			17.11
5708. Fuel and transportation, 1925		45,531.61			
Total current year appropriations	2,310.49	198,548.56	15,141.66	3,088.54	1,108.47
All prior year appropriations	59.46	6,694.57		2,145.92	8.80
Appropriation purchases account material and industrial overhead	*6,971.34*	27,695.18	2,168.04	5,368.01	81.80
Grand total	*4,601.39*	232,938.31	17,309.70	10,602.47	1,199.07
4328. Lamson					
1,215. Apr. 19, 1921 (12)					
5101. Pay, miscellaneous, 1925		3.43			
5309. Instruments and supplies, 1925	697.50	67.33	358.88		23.04
5327. Recreation, 1925		148.95			
5401. Ordnance and ordnance stores, 1925	6.00	709.08	952.61	553.72	1,647.45
5501. Construction and Repair, 1925	7,555.60	6,078.62	10,006.66	4,461.50	482.12
5601. Engineering, 1925	4,966.88	7,381.89	36,707.02	15,851.63	284.50
5605. Engineering, 1925–26				11,016.42	
5701. Pay, Navy, 1925		127,557.11			
5702. Provisions, 1925		23,833.55			
5704. Maintenance, Supplies and Accounts, 1925	441.71	807.88			36.00
5708. Fuel and transportation, 1925		27,168.20			
Total current year appropriations	13,667.69	193,756.04	48,025.17	31,883.27	2,473.11
All prior year appropriations	10.00	6,737.47		6,327.01	22.80
Appropriation purchases account material and industrial overhead	*28,609.84*	59,542.73	6,699.45	6,174.31	1,214.20
Grand total	*14,932.15*	260,036.24	54,724.62	44,384.59	3,710.11

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4286. Lardner					
1,215. Dec. 10, 1919 (12)					
5101. Pay, miscellaneous, 1925		$2.41			
5309. Instruments and supplies, 1925	$159.53	136.50	$0.40		$5.40
5327. Recreation, 1925		256.40			
5401. Ordnance and ordnance stores, 1925		327.69	26.94	$3.80	1,753.71
5501. Construction and Repair, 1925	1,555.16	2,935.74	12,085.69	1,309.19	1,041.96
510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				561.77	
5601. Engineering, 1925	1,118.83	4,771.01	40,384.22	5,847.32	665.50
5701. Pay, Navy, 1925		118,068.12			
5702. Provisions, 1925		24,837.09			
5704. Maintenance, Supplies and Accounts, 1925	200.26	380.87			88.17
5708. Fuel and transportation, 1925		41,804.53			
Total current year appropriations	3,033.78	193,520.36	52,497.25	7,722.08	3,554.74
All prior year appropriations	198.33	10,961.35		10,959.70	
Appropriation purchases account material and industrial overhead	*4,097.24*	20,129.69	12,494.12	4,697.22	956.13
Grand total	*865.13*	224,611.40	64,991.37	23,379.00	4,510.87
4315. La Vallette					
1,215. Dec. 24, 1920 (12)					
5101. Pay, miscellaneous, 1925		4.65			
5309. Instruments and supplies, 1925	309.37	45.05			292.10
5327. Recreation, 1925		193.75			
5401. Ordnance and ordnance stores, 1925		469.32	17.80	11.17	2,661.98
5501. Construction and Repair, 1925	2,522.59	4,100.33	7,717.00	630.90	476.40
5601. Engineering, 1925	1,704.57	4,708.04	16,963.90	1,458.15	1,648.83
5701. Pay, Navy, 1925		117,401.27			
5702. Provisions, 1925		22,803.93			
5704. Maintenance, Supplies and Accounts, 1925	323.22	540.79			3.38
5708. Fuel and transportation, 1925		24,486.95			
Total current year appropriations	4,859.75	174,754.08	24,698.70	2,100.22	5,082.69
All prior year appropriations	184.34	6,060.13		3,836.99	
Appropriation purchases account material and industrial overhead	8,931.38	37,058.66	4,425.60	170.27	895.96
Grand total	13,975.47	217,872.87	29,124.30	6,107.48	5,978.65
4250. Lawrence					
1,215. Apr. 18, 1921 (12)					
5101. Pay, miscellaneous, 1925		1.59			
5309. Instruments and supplies, 1925	5,455.76	317.77			13.89
5327. Recreation, 1925		86.10			
5401. Ordnance and ordnance stores, 1925	9.00	505.48	33.02		226.57
5501. Construction and Repair, 1925	1,578.09	4,351.25	5,133.20	884.41	389.00
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				52.20	
5601. Engineering, 1925	358.56	4,685.21	2,431.47	261.71	170.51
5701. Pay, Navy, 1925		117,984.63			
5702. Provisions, 1925		25,779.42			
5704. Maintenance, Supplies and Accounts, 1925	155.19	624.65			12.55
5708. Fuel and transportation, 1925		39,154.41			
Total current year appropriations	7,556.60	193,490.51	7,597.69	1,198.32	812.52
All prior year appropriations	*14.37*	4,077.89	*13.80*	1,983.31	
Appropriation purchases account material and industrial overhead	*831.51*	22,905.51	9,791.72	*1,900.71*	776.01
Grand total	6,710.72	220,473.91	17,375.61	1,280.92	1,588.53

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4336. Litchfield					
1,215. May 12, 1920 (12)					
5309. Instruments and supplies, 1925	$513.04	$49.35	$45.00		$228.43
5327. Recreation, 1925		219.30			
5401. Ordnance and ordnance stores, 1925	58.41	610.95	1.54	$30.20	1,341.66
5501. Construction and repair, 1925	6,639.35	4,441.16	17,140.49	8,782.05	2,757.73
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	720.40				
5601. Engineering, 1925	13,935.82	4,816.36	8,360.47	3,292.31	3,047.31
5701. Pay, Navy, 1925		127,167.41			
5702. Provisions, 1925		23,205.99			
5704. Maintenance Supplies and Accounts, 1925	796.89	625.03			43.92
5708. Fuel and transportation, 1925		20,231.52			
Total current year appropriations	22,663.91	181,367.07	25,547.50	12,104.56	7,419.05
All prior year appropriations	9.25	2,211.93	2,469.53	70.32	1.25
Appropriation purchases account material and industrial overhead	*9,645.48*	37,798.70	3,450.39	1,465.20	871.79
Grand total	13,027.68	221,377.70	31,467.42	13,640.08	8,292.09
4331. MacDonough					
1,215. Apr. 30, 1921 (12)					
5101. Pay, miscellaneous, 1925		20.40			
5309. Instruments and supplies, 1925	222.52	69.02			276.91
5327. Recreation, 1925		383.65			
5401. Ordnance and ordnance stores, 1925	5.89	629.90	41.69	15.15	3,849.10
5501. Construction and Repair, 1925	6,204.83	6,210.19	9,625.05	3,104.25	933.11
5601. Engineering, 1925	3,063.34	7,002.41	27,717.76	20,851.24	3,444.03
5605. Engineering, 1925–26				4,250.00	
5701. Pay, Navy, 1925		118,955.19			
5702. Provisions, 1925		21,753.92			
5704. Maintenance, Supplies, and Accounts, 1925	369.11	828.05			13.11
5708. Fuel and transportation, 1925		27,931.80			
Total current year appropriations	9,865.69	183,784.53	37,384.50	28,220.64	8,516.26
All prior year appropriations	154.24	4,655.64	513.62	2,001.61	10.00
Appropriation purchases account material and industrial overhead	61,510.22	32,319.15	15,570.04	5,485.59	3,617.82
Grand total	71,530.15	220,759.32	53,468.16	35,707.84	12,144.08
4220. MacLeish					
1,215. Aug. 2, 1920 (12)					
5101. Pay, miscellaneous, 1925		4.65			
5309. Instruments and supplies, 1925	5,558.37	87.98	.94	81.47	114.76
5327. Recreation, 1925		94.80			
5401. Ordnance and ordnance stores, 1925		642.11	223.17	766.69	876.87
5501. Construction and Repair, 1925	5,754.14	5,660.66	8,842.48	1,167.53	1,181.91
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				2,089.55	
5601. Engineering, 1925	5,420.40	6,052.74	23,856.21	1,880.72	276.65
5701. Pay, Navy, 1925		123,812.95			
5702. Provisions, 1925		26,658.70			
5704. Maintenance, Supplies and Accounts, 1925	288.71	759.73			
5708. Fuel and transportation, 1925		33,317.02			
Total current year appropriations	17,021.62	197,091.34	32,922.80	5,985.96	2,450.19
All prior year appropriations	184.00	5,855.14	13.79	11,583.38	21.76
Appropriation purchases account material and industrial overhead	*828.17*	20,777.05	4,865.42	4,864.48	289.60
Grand total	16,377.45	223,723.53	37,802.01	22,433.82	2,761.55

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4321. Marcus					
1,215. Feb. 23, 1921 (12)					
5101. Pay, miscellaneous, 1925		$506.53			
5309. Instruments and supplies, 1925	$420.71	54.27			$265.04
5327. Recreation, 1925		269.85			
5401. Ordnance and ordnance stores, 1925	5.89	442.26	$2.62	$3.89	2,859.06
5501. Construction and Repair, 1925	2,600.95	4,888.69	3,715.26	1,479.98	1,508.92
5601. Engineering, 1925	3,386.17	5,738.01	19,413.84	6,271.64	627.46
5701. Pay, Navy, 1925		116,613.11			
5702. Provisions, 1925		23,580.67			
5704. Maintenance, Supplies and Accounts, 1925	165.83	650.96			34.43
5708. Fuel and transportation, 1925		30,519.70			
Total current year appropriations	6,577.55	183,264.05	23,131.72	7,755.51	5,294.91
All prior year appropriations	61.89	4,520.65		111.24	40.20
Appropriation purchases account material and industrial overhead	8,890.61	19,844.58	9,361.39	608.02	3,807.92
Grand total	15,530.05	207,629.28	32,493.11	8,474.77	9,143.03
4276. Mc Cawley					
1,215. Sept. 22, 1919 (12)					
5101. Pay, miscellaneous, 1925		63.63			
5309. Instruments and supplies, 1925	106.13	49.19			109.14
5327. Recreation, 1925		394.20			
5401. Ordnance and ordnance stores, 1925	1.00	584.27			3,457.51
5501. Construction and Repair, 1925	3,375.87	4,441.06	7,414.07	168.20	1,385.17
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				15,409.07	
5601. Engineering, 1925	2,293.45	5,381.70	28,222.03	4,457.34	946.77
5605. Engineering, 1925–26				131.20	
5701. Pay, Navy, 1925		113,120.21			
5702. Provisions, 1925		23,402.65			
5704. Maintenance, Supplies and Accounts, 1925	295.72	590.20			63.83
5708. Fuel and transportation, 1925		24,371.52			
Total current year appropriations	6,072.17	172,398.63	35,636.10	20,165.81	5,962.42
All prior year appropriations	247.07	2,808.20		33.68	
Appropriation purchases account material and industrial overhead	*13,917.50*	17,435.30	5,067.39	4,324.57	1,272.90
Grand total	*7,598.26*	192,642.13	40,703.49	24,524.06	7,235.32
4223. Mc Cormick					
1,215. Aug. 30, 1920 (12)					
5101. Pay, miscellaneous, 1925		54.71			
5309. Instruments and supplies, 1925	621.45	111.23	8.75	4,925.00	25.36
5327. Recreation, 1925		100.00			
5401. Ordnance and ordnance stores, 1925		697.83		279.74	945.04
5501. Construction and Repair, 1925	6,604.96	5,964.04	7,334.80	1,192.78	1,924.33
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				1,764.32	
5601. Engineering, 1925	3,771.23	6,643.39	22,712.56	1,412.51	443.06
5701. Pay, Navy, 1925		112,812.34			
5702. Provisions, 1925		24,825.94			
5704. Maintenance, Supplies and Accounts, 1925	441.23	805.57			2.21
5708. Fuel and transportation, 1925		43,398.74			
Total current year appropriations	11,438.87	195,413.79	30,056.11	9,574.35	3,340.00
All prior year appropriations		4,214.23	2,413.68	9,829.71	94.23
Appropriation purchases account material and industrial overhead	*11,459.28*	37,167.43	6,164.58	2,155.45	491.88
Grand total	*20.41*	236,795.45	38,634.37	21,559.51	3,926.11

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4262. McDermut					
1,215. Mar. 27, 1919 (12)					
5101. Pay, Miscellaneous, 1925	----------	$1.35	----------	----------	----------
5309. Instruments and supplies, 1925	$97.19	62.68	----------	----------	$64.27
5327. Recreation, 1925	----------	203.93	----------	----------	----------
5401. Ordnance and ordnance supplies, 1925	14.52	1,037.49	$6.81	----------	1,429.14
5501. Construction and Repair, 1925	4,804.51	5,653.70	7,574.12	$932.59	1,299.32
5601. Engineering, 1925	1,686.18	6,513.29	19,722.87	2,402.79	1,920.37
5701. Pay, Navy, 1925	----------	120,409.93	----------	----------	----------
5702. Provisions, 1925	----------	23,212.03	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	330.81	752.26	----------	----------	2.03
5708. Fuel and transportation, 1925	----------	31,047.34	----------	----------	----------
Total current year appropriations	6,933.21	188,894.00	27,303.80	3,335.38	4,715.13
All prior year appropriations	19.90	3,706.49	----------	218.56	----------
Appropriation purchases account material and industrial overhead	10,251.37	8,795.48	2,497.23	230.67	926.48
Grand total	17,204.48	201,395.97	29,801.03	3,784.61	5,641.61
4237. McFarland					
1,215. Sept. 30, 1920 (12)					
5309. Instruments and supplies, 1925	396.37	66.88	----------	----------	313.45
5327. Recreation, 1925	----------	48.00	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	461.19	65.10	564.69	555.34
5501. Construction and Repair, 1925	4,088.56	4,053.02	6,539.55	4,001.87	353.89
5601. Engineering, 1925	1,589.48	4,802.49	16,414.15	5,604.62	280.21
5701. Pay, Navy, 1925	----------	117,072.15	----------	----------	----------
5702. Provisions, 1925	----------	22,144.48	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	143.84	558.59	----------	----------	37.00
5708. Fuel and transportation, 1925	----------	46,966.30	----------	----------	----------
Total current year appropriations	6,218.25	196,173.10	23,018.80	10,171.18	1,539.89
All prior year appropriations	1.15	4,037.26	----------	1,847.09	----------
Appropriation purchases account material and industrial overhead	*7,927.27*	27,292.18	3,052.54	287,57	761.01
Grand total	*1,707.87*	227,502.54	26,071.34	12,305.84	2,300.90
4335. Melvin					
1,215. May 31, 1921 (12)					
5101. Pay, miscellaneous, 1925	----------	4.95	----------	----------	----------
5309. Instruments and supplies, 1925	315.80	59.38	----------	----------	254.84
5327. Recreation, 1925	----------	361.58	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	10.00	563.39	----------	7.40	1,996.38
5501. Construction and Repair, 1925	4,720.48	5,367.15	6,447.97	154.47	459.94
5601. Engineering, 1925	2,885.72	6,144.49	10,816.16	1,846.26	1,377.87
5605. Engineering, 1925–26	----------	----------	----------	*960.00*	----------
5701. Pay, Navy, 1925	----------	110,085.88	----------	----------	----------
5702. Provisions, 1925	----------	22,862.05	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	416.12	712.12	----------	----------	.56
5708. Fuel and transportation, 1925	----------	19,758.63	----------	----------	----------
Total current year appropriations	8,348.12	165,919.62	17,264.13	1,048.13	4,089.59
All prior year appropriations	3.15	4,209.43	----------	1,998.23	38.00
Appropriation purchases account material and industrial overhead	9,737.98	24.429.19	6,097.66	125.51	524.82
Grand total	18,089.25	194,558.24	23,361.79	3,171.87	4,652.41

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4322. Mervine					
1,215. Mar. 1, 1921 (12)					
5309. Instruments and supplies, 1925	$636.40	$133.50	$19.10		$17.78
5327. Recreation, 1925		223.05			
5401. Ordnance and ordnance stores, 1925	68.64	441.59	13.36	$0.25	1,290.51
5501. Construction and Repair, 1925	4,394.32	4,881.69	7,099.70	575.69	1,271.83
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				16.94	
5601. Engineering, 1925	3,095.69	5,661.48	32,981.48	3,486.93	1,876.05
5701. Pay, Navy 1925		113,759.28			
5702. Provisions, 1925		21,451.33			
5704. Maintenance, Supplies and Accounts, 1925	204.31	647.81			19.44
5708. Fuel and transportation, 1925		26,996.32			
Total current year appropriations	8,399.36	174,196.05	40,113.64	4,079.81	4,475.61
All prior year appropriations	120.79	4,598.03		82.55	
Appropriation purchases account material and industrial overhead	5,795.66	41,261.21	10,494.56	6.68	438.19
Grand total	14,315.81	220,055.29	50,608.20	4,169.04	4,913.77
4279. Meyer					
1,215. Dec. 17, 1919					
5101. Pay, miscellaeous, 1925		18.92			
5309. Instruments and supplies, 1925	55.42	64.53			126.23
5327. Recreation, 1925		509.85			
5401. Ordnance and ordnance stores, 1925	25.80	546.86			4,607.39
5501. Construction and Repair, 1925	4,606.16	4,732.83	5,291.33	1,571.71	519.66
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	134.15			17,607.89	
5601. Engineering, 1925	4,291.62	5,714.88	18,922.31	4,842.37	38.15
5605. Engineering, 1925–26				128.32	
5701. Pay, Navy, 1925		110,556.33			
5702. Provisions, 1925		23,279.38			
5704. Maintenance, Supplies and Accounts	143.77	633.75			19.48
5708. Fuel and transportation, 1925		22,896.60			
Total current year appropriations	9,256.92	168,953.93	24,213.64	24,150.29	5,310.91
All prior year appropriations	*248.80*	1,582.52		1,949.07	
Appropriation purchases account material and industrial overhead	23,209.90	8,426.65	4,595.87	3,348.68	1,512.93
Grand total	32,218.02	178,963.10	28,809.51	29,448.04	6,823.84
4325. Mullany					
1,215. Mar. 29, 1921 (12)					
5309. Instruments and supplies, 1925	58.55	51.69			300.92
5327. Recreation, 1925		323.89			
5401. Ordnance and ordnance stores, 1925		513.53	3.36	12.96	2,823.56
5501. Construction and Repair, 1925	1,626.10	4,653.10	4,974.09	394.85	2,002.84
5601. Engineering, 1925	3,179.72	5,293.39	28,967.12	2,155.06	771.64
5701. Pay, Navy, 1925		112,353.82			
5702. Provisions, 1925		23,238.25			
5704. Maintenance, Supplies and Accounts, 1925	174.35	662.43			21.58
5708. Fuel and transportation, 1925		30,442.32			
Total current year appropriations	5,038.72	177,532.42	33,944.57	2,562.87	5,920.54
All prior year appropriations	311.49	3,430.75		1,995.25	
Appropriation purchases account material and industrial overhead	19,026.06	28,941.40	9,074.50	244.72	921.49
Grand total	24,376.27	209,904.57	43,019.07	4,802.84	6,842.03

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4277. Moody					
1,215. Dec. 10, 1919 (12)					
5101. Pay, miscellaneous, 1925		$7,102			
5309. Instruments and supplies, 1925	$73.51	45.06			$72.43
5327. Recreation, 1925		392.84			
5401. Ordnance and ordnance stores, 1925	20.02	488.77			7,951.09
5501. Construction and Repair, 1925	3,419.94	4,093.96	$11,145.40	$3,445.12	1,977.56
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				14,934.24	
5601. Engineering, 1925	2,815.98	6,003.14	23,406.97	5,277.33	823.23
5605. Engineering, 1925-26				3,901.30	
5701. Pay, Navy, 1925		114,601.40			
5702. Provisions, 1925		21,302.07			
5704. Maintenance, Supplies and Accounts, 1925	308.43	630.61			21.17
5708. Fuel and transportation, 1925		33,608.31			
Total current year appropriations	6,637.88	181,287.18	34,552.37	27,557.99	10,845.48
All prior year appropriations	89.53	5,004.64		8,094.03	15.00
Appropriation purchases account material and industrial overhead	152,365.86	20,342.18	3,988.36	4,234.14	1,797.09
Grand total	159,093.27	206,634.00	38,540.73	39,886.16	12,657.57
4343. Nea					
1,215. Feb. 15, 1921 (12)					
5101. Pay, miscellaneous, 1925		32.91			
5309. Instruments and supplies, 1925	162.46	38.68			192.21
5327. Recreation, 1925		183.96			
5401. Ordnance and ordnance stores, 1925		576.71	223.40	43.64	1,186.25
5501. Construction and Repair, 1925	2,808.89	3,251.37	16,704.05	321.01	1,979.74
5601. Engineering, 1925	1,072.13	4,713.45	9,847.29	1,106.09	1,393.20
5701. Pay, Navy, 1925		75,746.89			
5702. Provisions, 1925		22,967.35			
5704. Maintenance, Supplies and Accounts, 1925	32.54	433.51			20.52
5708. Fuel and transportation, 1925		37,262.66			
Total current year appropriations	4,076.02	145,207.49	26,774.74	1,470.74	4,771.92
All prior year appropriations	239.91	4,067.21	46.97		
Appropriation purchases account material and industrial overhead	*7,333.75*	39,229.74	6,285.67	3,999.01	2,184.77
Grand total	*8,017.82*	188,504.44	33,107.38	5,469.75	6,956.69
4295. Osborne					
1,215. May 17, 1920 (12)					
5101. Pay, miscellaneous, 1925		52.49			
5309. Instruments and supplies, 1925	537.21	200.35	54.47		422.45
5327. Recreation, 1925		170.00			
5401. Ordnance and ordnance stores, 1925	2.70	680.25	1,897.97	1,732.16	114.89
5501. Construction and Repair, 1925	2,344.08	6,338.61	23,982.65	12,998.38	5,527.90
5601. Engineering, 1925	2,556.97	8,199.95	36,630.02	13,002.96	1,260.30
5701. Pay, Navy, 1925		130,677.37			
5702. Provisions, 9125		26,166.52			
5704. Maintenance, Supplies and Accounts, 1925	449.24	864.27			69.50
5708. Fuel and transportation, 1925		38,629.34			
Total current year appropriations	5,890.20	211,979.15	62,565.11	27,733.50	7,395.04
All prior year appropriations	*2,452.50*	5,850.30		12,395.28	42.00
Appropriation purchases account material and industrial overhead	*10,518.80*	29,302.31	11,531.05	5,030.72	911.71
Grand total	*7,081.10*	247,131.76	74,096.16	45,159.50	8,348.75

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4239. Overton					
1,215. June 30, 1920 (12)					
5309. Instruments and supplies, 1925	$288.42	$1,082.97			$48.87
5327. Recreation, 1925		129.00			
5401. Ordnance and ordnance stores, 1925	2.75	557.47	$39.38	$4.34	50.12
5501. Construction and Repair, 1925	3,122.01	4,969.01	3,222.32	16.28	170.59
5601. Engineering, 1925	2,736.65	6,200.04	7,065.63	41.17	412.39
5701. Pay, Navy, 1925		116,064.67			
5702. Provisions, 1925		24,686.75			
5704. Maintenance, Supplies and Accounts, 1925	350.19	700.87			40.36
5708. Fuel and transportation, 1925		41,723.45			
Total current year appropriations	6,500.02	196,114.23	10,327.33	61.79	722.33
All prior year appropriations	21.40	7,954.48		3,574.65	
Appropriation purchases account material and industrial overhead	*25,390.93*	39,384.77	1,201.55	233.40	53.73
Grand total	*18,869.51*	243,453.48	11,528.88	3,869.84	776.06
4218. Parrott					
1,215. May 11, 1920 (12)					
5101. Pay, miscellaneous, 1925		7.85			
5309. Instruments and supplies, 1925	578.04	116.99	.75	4,925.00	7.61
5327. Recreation, 1925		46.88			
5401. Ordnance and ordnance stores, 1925		693.39		195.41	254.13
5501. Construction and Repair, 1925	4,746.85	6,637.69	7,864.29	1,585.90	1,679.15
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				1,759.83	
5601. Engineering, 1925	4,228.75	7,250.53	19,547.21	1,147.93	282.32
5701. Pay, Navy, 1925		113,922.54			
5702. Provisions, 1925		26,141.61			
5704. Maintenance Supplies and Accounts, 1925	337.33	891.66			8.38
5708. Fuel and transportation, 1925		42,531.89			
Total current year appropriations	9,890.97	198,241.03	27,412.25	9,614.07	2,231.59
All prior year appropriations	*722.04*	5,127.10	1,453.17	9,919.76	25.64
Appropriation purchases account material and industrial overhead	*1,525.88*	20,031.71	6,262.14	2,226.95	*308.93*
Grand total	7,643.05	223,399.84	35,127.56	21,760.78	1,948.30
4307. Paul Hamilton					
1,308. ——— (12)					
5309. Instruments and supplies, 1925	481.32	53.49	1.52		233.21
5327. Recreation, 1925		356.60			
5401. Ordnance and ordnance stores, 1925	48.42	447.52			3,106.71
5501. Construction and Repair, 1925	2,301.61	4,838.81	14,403.79	585.36	2,771.01
5601. Engineering, 1925	846.99	5,267.47	33,177.70	2,922.42	1,565.51
5701. Pay, Navy, 1925		116,755.32			
5702. Provisions, 1925		24,193.93			
5704. Maintenance, Supplies and Accounts, 1925	240.10	737.47			46.16
5708. Fuel and transportation, 1925		15,095.91			
Total current year appropriations	3,918.44	167,746.52	47,583.01	3,507.78	7,722.60
All prior year appropriations	84.15	3,464.08	269.57	125.37	15.00
Appropriation purchases account material and industrial overhead	4,111.99	17,396.86	10,617.46	267.15	683.97
Grand total	8,114.58	188,607.46	58,470.04	3,900.30	8,421.57

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4230. Paul Jones					
1,308. ——— (12)					
5101. Pay, miscellaneous, 1925	----------	$10.23	----------	----------	----------
5309. Instruments and supplies, 1925	$546.18	103.32	----------	----------	$62.2[illegible]
5310.	----------	4.47	----------	----------	----------
5327. Recreation, 1925	----------	147.80	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	346.94	*$6.40*	----------	40.57
5501. Construction and Repair, 1925	3,183.82	4,045.40	2,879.72	$609.47	1,139.19
5601. Engineering, 1925	760.10	4,798.07	6,982.59	622.69	891.80
5701. Pay, Navy, 1925	----------	77,504.24	----------	----------	----------
5702. Provisions, 1925	----------	23,967.64	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	217.66	539.40	----------	----------	.23
5708. Fuel and transportation, 1925	----------	36,180.34	----------	----------	----------
Total current year appropriations	4,707.76	147,647.85	9,855.91	1,232.16	2,134.08
All prior year appropriations	----------	588.07	----------	----------	----------
Appropriation purchases account material and industrial overhead	*19,205.64*	37,592.60	7,339.74	801.44	750.43
Grand total	*14,497.88*	185,828.52	17,195.65	2,033.60	2,884.51
4226. Peary					
1,215. Oct. 22, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	327.18	----------	----------	----------
5309. Instruments and supplies, 1925	364.43	276.74	----------	----------	79.63
5310. Ocean and lake surveys, 1925	----------	2.19	----------	----------	----------
5327. Recreation, 1925	----------	178.56	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	3.34	323.43	----------	----------	25.75
5501. Construction and Repair, 1925	3,264.41	3,425.50	1,806.29	----------	859.01
5601. Engineering, 1925	1,365.21	3,933.13	1,423.12	38.29	736.73
5701. Pay, Navy, 1925	----------	85,632.15	----------	----------	----------
5702. Provisions, 1925	----------	25,238.84	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	443.28	456.71	----------	----------	71.36
5708. Fuel and transportation, 1925	----------	30,794.52	----------	----------	----------
Total current year appropriations	5,440.67	150,588.95	3,229.41	38.29	1,772.48
All prior year appropriations	102.22	430.34	----------	----------	----------
Appropriation purchases account material and industrial overhead	*13,401.64*	48,559.77	524.61	----------	510.48
Grand total	*7,858.75*	199,579.06	3,754.02	38.29	2,282.96
4298. Percival					
1,215. Mar. 31, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	12.69	----------	----------	----------
5309. Instruments and supplies, 1925	130.10	51.26	----------	----------	178.20
5327. Recreation, 1925	----------	351.40	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	15.33	483.79	----------	----------	3,211.08
5501. Construction and Repair, 1925	977.48	4,616.26	8,944.39	1,823.04	3,497.44
5601. Engineering, 1925	854.01	5,682.82	20,521.62	3,926.30	1,085.03
5605. Engineering, 1925–26	----------	----------	----------	128.32	----------
5701. Pay, Navy, 1925	----------	112,635.09	----------	----------	----------
5702. Provisions, 1925	----------	24,410.82	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	182.56	675.07	----------	----------	4.54
5708. Fuel and transportation, 1925	----------	20,631.76	----------	----------	----------
Total current year appropriations	2,159.48	169,550.96	29,466.01	5,877.66	7,976.29
All prior year appropriations	505.99	4,213.81	----------	10,813.27	10.00
Appropriation purchases account material and industrial overhead	29,250.67	15,160.69	2,934.20	2,390.59	931.22
Grand total	31,916.14	188,925.46	32,400.21	19,081.52	8,917.51

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4227. Pillsbury					
1,215. Dec. 15, 1920 (12)					
5101. Pay, miscellaneous, 1925		$0.59			
5309. Instruments and supplies, 1925	$243.14	159.80			$3.86
5310. Ocean and lake surveys, 1925		2.19			
5327. Recreation, 1925		12.70			
5401. Ordnance and ordnance stores, 1925		324.07	$69.12	$162.16	598.38
5501. Construction and Repair, 1925	2,864.53	3,667.25	2,740.87	109.36	1,129.13
5601. Engineering, 1925	1,248.15	4,311.93	13,797.72	188.97	1,208.96
5701. Pay, Navy, 1925		80,043.36			
5702. Provisions, 1925		21,493.46			
5704. Maintenance, Supplies and Accounts, 1925	61.11	488.96			
5708. Fuel and transportation, 1925		32,294.53			
Total current year appropriations	4,416.93	142,798.84	16,607.71	460.49	2,940.33
All prior year appropriations		4,155.40			
Appropriation purchases account material and industrial overhead	*6,353.34*	47,406.53	5,821.97	105.32	573.99
Grand total	*1,936.41*	194,360.77	22,429.68	565.81	3,514.32
4345. Preble					
1,215. Mar. 19, 1920 (12)					
5101. Pay, miscelleneous, 1925		262.87			
5309. Instruments and supplies, 1925	226.38	480.37			23.14
5401. Ordnance and ordnance stores, 1925		403.07	55.66	11.70	222.98
5501. Construction and Repair, 1925	6,528.09	4,073.16	4,470.32	226.62	2,908.28
5601. Engineering, 1925	985.43	4,752.50	8,456.20	1,911.68	998.27
5701. Pay, Navy, 1925		86,292.76			
5702. Provisions, 1925		23,375.92			
5704. Maintenance, Supplies and Accounts, 1925	104.39	543.09			81.52
5708. Fuel and transportation, 1925		40,044.51			
Total current year appropriations	7,844.29	160,228.25	12,982.18	2,150.00	4,234.19
All prior year appropriations	25.13	2,954 09	44.36		26.00
Appropriation purchases account material and insutrial overhead	*5,403.10*	79,101.32	2,820.56	568.57	898.69
Grand total	2,466.32	242,283.66	15,847.10	2,718.57	5,158.88
4327. Preston					
1,215. Apr. 13, 1921 (12)					
5309. Instruments and supplies, 1925	809.43	104.22	18.62		271.94
5327. Recreation, 1925		119.30			
5401. Ordnance and ordnance stores, 1925		711.08	298.25		2,601.48
5501. Construction and Repair, 1925	4,124.53	6,227.03	9,072.74	1,831.91	2,040.70
5601. Engineering, 1925	3,665.65	7,029.58	38,216.95	12,441.45	477.12
5701. Pay, Navy, 1925		123,519.11			
5702. Provisions, 1925		26,225.38			
5704. Maintenance, Supplies and Accounts, 1925	207.36	843.58			25.84
5708. Fuel and transportation, 1925		31,877.84			
Total current year appropriations	8,806.97	196,657.12	47,606.56	14,273.36	5,417.08
All prior year appropriations	245.33	2,088.40		2,082.74	
Appropriation purchases account material and industrial overhead	*12,622.93*	18,041.26	12,939.21	1,572.95	567.84
Grand total	*3,570.63*	216,786.78	60,545.77	17,929.05	5,984.92

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4347. Pruitt					
1,215. Sept. 2, 1920 (12)					
5309. Instruments and supplies, 1925	$575.98	$120.03			$51.35
5401. Ordnance and ordnance stores, 1925		367.48	$245.47	$54.63	66.07
5501. Construction and Repair, 1925	6,076.20	3,666.60	3,382.34	454.93	1,290.01
5601. Engineering, 1925	1,211.44	4,811.59	5,083.19	2,146.67	2,562.50
5701. Pay, Navy, 1925		82,963.43			
5702. Provisions, 1925		27,042.49			
5704. Maintenance, Supplies and Accounts, 1925	108.20	488.88			40.15
5708. Fuel and transportation, 1925		45,913.26			
5815. Naval hospital fund		56.70			
Total current year appropriations	7,971.82	165,430.46	8,711.00	2,656.23	4,010.08
All prior year appropriations	1.20	25,055.33	323.66		
Appropriation purchases account material and industrial overhead	*9,186.07*	46,211.17	2,160.01	596.20	916.03
Grand total	*1,213.05*	236,696.96	11,194.67	3,252.43	4,926.11
4287 Putnam					
1,215. Dec. 18, 1919 (12)					
5101. Pay, miscellaneous, 1925		4.41			
5309. Instruments and supplies, 1925	752.87	245.57			48.06
5327. Recreation, 1925		306.55			
5401. Ordnance and ordnance supplies, 1925		515.94	112.23	225.75	1,460.38
5501. Construction and Repair, 1925	3,262.14	3,930.45	13,537.62	2,000.88	35.00
5601. Engineering, 1925	1,583.38	5,829.95	13,666.97	94.57	637.27
5701. Pay, Navy, 1925		128,467.74			
5702. Provisions, 1925		24,438.54			
5704. Maintenance, Supplies, and Accounts, 1925	200.83	534.86			24.03
5708. Fuel and transportation, 1925		53,903.81			
Total current year appropriations	5,799.22	218,177.82	27,316.82	2,321.20	2,204.74
All prior year appropriations	10.12	13,788.39		1,932.66	
Appropriation purchase account material and industrial overhead	*53,957.25*	25,531.83	5,405.63	254.28	782.58
Grand total	*48,147.91*	257,498.04	32,722.45	4,508.14	2,987.32
4225. Pope					
1,215. Oct. 27, 1920 (12)					
5101. Pay, miscellaneous, 1925		4.05			
5309. Instruments and supplies, 1925	563.85	127.88			74.92
5401. Ordnance and ordnance stores, 1925		410.73			400.16
5501. Construction and Repair, 1925	3,931.48	4,284.21	3,651.89	1,493.21	1,512.90
5601. Engineering, 1925	1,934.19	4,831.42	12,238.59	997.25	711.71
5701. Pay, Navy, 1925		75,511.29			
5702. Provisions, 1925		23,342.01			
5704. Maintenance, Supplies, and Accounts, 1925	224.60	571.24			16.89
5708. Fuel and transportation, 1925		35,239.25			
Total current year appropriations	6,654.12	144,322.08	15,890.48	2,490.46	2,716.58
All prior year appropriations	49.36	371.86			
Appropriation purchases account material and industrial overhead	4,622.54	39,519.95	1,500.89	445.52	826.25
Grand total	11,326.02	184,213.89	17,391.37	2,935.98	3,542.83

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4292. Reid					
1,215. Dec. 3, 1919 (12)					
5101. Pay, miscellaneous, 1925		$238.71			
5309. Instruments and supplies, 1925	$380.45	602.25			
5327. Recreation, 1925		99.80			
5401. Ordnance and ordnance stores, 1925		347.69		*$95.15*	
5501. Construction and Repair, 1925	379.58	3,089.63	$956.39	*195.91*	$49.46
5601. Engineering, 1925	963.39	5,690.80	558.61	241.98	518.16
5701. Pay, Navy, 1925		127,574.34			
5702. Provisions, 1925		35,695.62			
5704. Maintenance, Supplies, and Accounts, 1925	122.06	606.55			
5708. Fuel and transportation, 1925		81,883.12			
Total current year appropriations	1,845.48	255,828.51	1,515.00	*49.08*	567.62
All prior year appropriations	177.97	4,847.96			
Appropriation purchases account material and industrial overhead	*13,470.60*	14,137.93	*7.00*	*1.72*	7.02
Grand total	*11,447.15*	274,814.40	1,508.00	*50.80*	574.64
4303. Reno					
1,215. June 30, 1920 (12)					
5101. Pay, miscellaneous, 1925		114.23			
5309. Instruments and supplies, 1925	499.82	42.31	147.38		100.31
5327. Recreation, 1925		385.17			
5401. Ordnance and ordnance stores, 1925	25.84	371.85	.47		3,365.99
5501. Construction and Repair, 1925	1,247.14	3,815.33	6,489.46	1,486.84	347.72
5601. Engineering, 1925	490.15	4,750.09	23,129.92	753.68	302.79
5605. Engineering, 1925–26				2,707.43	
5701. Pay, Navy, 1925		113,512.98			
5702. Provisions, 1925		23,461.17			
5704. Maintenance, Supplies, and Accounts, 1925	154.21	603.49			10.65
5708. Fuel and transportation, 1925		26,818.02			
Total current year appropriations	2,417.16	173,874.64	29,767.23	4,947.95	4,127.46
All prior year appropriations	*243.11*	3,300.10	26.97	1,949.17	
Appropriation purchases account material and industrial overhead	783.69	26,059.62	3,513.68	509.18	1,066.11
Grand total	2,957.74	203,234.36	33,307.88	7,406.30	5,193.57
4245. Reuben James					
1,308. —— (12)					
5101. Pay, miscellaneous, 1925		20.96			
5309. Instruments and supplies, 1925	705.51	122.13			11.35
5327. Recreation, 1925		93.27			
5401. Ordnance and ordnance stores, 1925	2.68	495.91	3.64	5.20	166.54
5501. Construction and Repair, 1925	1,206.96	4,422.72	3,736.15	3,376.41	146.44
5601. Engineering, 1925	1,239.60	5,017.10	5,804.73	1,859.84	248.27
5701. Pay, Navy, 1925		128,403.29			
5702. Provision, 1925		23,742.81			
5704. Maintenance, Supplies, and Accounts, 1925	654.95	620.34			73.63
5708. Fuel and transportation, 1925		35,399.14			
Total current year appropriations	3,809.70	198,337.67	9,544.52	5,241.45	646.23
All prior year appropriations	4,855.13	738.85		3,676.09	33.75
Appropriation purchases account material and industrial overhead	15,634.38	16,628.59	1,878.59	3,545.69	130.01
Grand total	24,299.21	215,705.11	11,423.11	12,463.23	809.99

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4324. Robert Smith					
1,215. Mar. 17, 1921 (12)					
5101. Pay, miscellaneous, 1925		$16.45			
5309. Instruments and supplies, 1925	$572.07	57.90			$214.65
5327. Recreation, 1925		165.28			
5401. Ordnance and ordnance stores, 1925		556.14		$29.17	1,856.51
5501. Construction and Repair, 1925	5,355.65	5,209.77	$21,778.05	107.17	867.38
5601. Engineering, 1925	2,724.20	6,036.32	34,947.41	4,808.93	1,347.79
5701. Pay, Navy, 1925		113,991.40			
5702. Provisions, 1925		21,659.85			
5704. Maintenance, Supplies, and Accounts, 1925	228.55	694.65			13.83
5708. Fuel and transportation, 1925		22,366.67			
Total current year appropriations	8,880.47	170,754.43	56,725.46	4,945.27	4,300.16
All prior year appropriations	77.74	4,656.73	4.25	2,014.56	5.56
Appropriation purchases account material and industrial overhead	10,011.36	18,977.82	14,695.62	1,068.94	987.39
Grand total	18,814.09	194,388.98	71,425.33	8,028.77	5,293.11
4243. Sands					
1,215. Nov. 10, 1920 (12)					
5309. Instruments and supplies, 1925	573.36	77.11			118.42
5401. Ordnance and ordnance supplies, 1925		562.71	13.25	109.43	1,087.91
5501. Construction and Repair, 1925	5,245.80	4,831.46	10,309.47	1,771.45	2,381.69
5601. Engineering, 1925	1,974.43	5,771.88	27,571.98	1,445.72	1,179.10
5701. Pay, Navy, 1925		91,272.46			
5702. Provisions, 1925		23,318.50			
5704. Maintenance, Supplies, and Accounts, 1925	299.02	652.99			36.50
5708. Fuel and transportaton, 1925		32,852.67			
Total current year appropriations	8,092.61	159,339.78	37,894.70	3,326.60	4,803.62
All prior year appropriations	1,145.86	7,749.62	294.36	16,031.53	
Appropriation purchases account material and industrial overhead	*22,919.25*	44,712.68	6,105.12	2,180.67	1,104.16
Grand total	*13,680.78*	211,802.08	44,294.18	21,538.80	5,907.78
4320. Selfridge					
1,215. Feb. 17, 1921 (12)					
5309. Instruments and supplies, 1925	153.36	49.04			118.37
5327. Recreation, 1925		112.40			
5401. Ordnance and ordnance stores, 1925		422.58	35.73	2.25	679.31
5501. Construction and Repair, 1925	2,502.64	4,422.07	5,066.37	412.21	2,098.60
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				5,575.40	
5601. Engineering, 1925	839.50	5,250.88	11,091.63	3,245.66	1,247.58
5701. Pay, Navy, 1925		112,020.33			
5702. Provisions, 1925		23,332.78			
5704. Maintenance, Supplies, and Accounts, 1925	90.02	588.12			
5708. Fuel and transportation, 1925		28,225.78			
Total current year appropriations	3,585.52	174,423.98	16,193.73	9,235.52	4,143.86
All prior year appropriations	108.73	7,876.40		108.11	
Appropriation purchases account material and industrial overhead	9,046.19	9,195.34	2,991.21	223.88	253.94
Grand total	12,740.44	191,495.72	19,184.94	9,567.51	4,397.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4281. Sharkey					
1,215. Nov. 28, 1919 (12)					
5101. Pay, miscellaneous, 1925		$9.25			
5309. Instruments and supplies, 1925	$490.78	581.14	$7.98		$90.11
5327. Recreation, 1925		76.18			
5401. Ordnance and ordnance supplies, 1925		475.03	33.19	$61.74	1,831.39
5501. Construction and Repair, 1925	3,289.18	4,542.16	7,145.68	421.30	360.02
5601. Engineering, 1925	19,134.62	6,804.51	29,802.17	13,209.00	961.92
5605. Engineering, 1925–26				2,065.39	
5701. Pay, Navy, 1925		135,612.67			
5702. Provisions, 1925		25,423.98			
5704. Maintenance, Supplies, and Accounts, 1925	265.28	643.13			20.22
5708. Fuel and transportation, 1925		48,094.40			
Total current year appropriations	23,179.86	222,262.45	36,989.02	15,757.43	3,263.66
All prior year appropriations	417.00	7,878.96		70.01	20.00
Appropriations purchases account material and industrial overhead	*30,230.78*	30,074.13	24,223.45	3,024.32	405.47
Grand total	*6,633.92*	260,215.54	61,212.47	18,851.76	3,689.13
4318. Shirk					
1,215. Feb. 5, 1921 (12)					
5101. Pay, miscellaneous, 1925		12.50			
5309. Instruments and supplies, 1925	574.36	124.39			163.68
5327. Recreation, 1925		107.45			
5401. Ordnance and ordnance stores, 1925		417.26	34.60	26.52	2,577.56
5501. Construction and Repair, 1925	2,534.33	3,906.67	6,583.50	40.48	1,002.01
5601. Engineering, 1925	1,830.86	4,383.18	11,720.51	1,383.63	919.90
5701. Pay, Navy, 1925		84,451.13			
5702. Provisions, 1925		22,615.90			
5704. Maintenance, Supplies, and Accounts, 1925	520.87	520.87			42.35
5708. Fuel and transportation, 1925		25,533.75			
Total current year appropriations	5,460.42	142,073.10	18,338.61	1,450.63	4,705.50
All prior year appropriations	474.12	2,102.10		148.67	20.00
Appropriation purchases account material and industrial overhead	9,182.26	17,992.57	1,107.46	91.88	534.79
Grand total	15,116.80	162,167.77	19,446.07	1,691.18	5,260.29
4346. Sicard					
1,215. June 9, 1920 (12)					
5309. Instruments and supplies, 1925	221.28	279.44			57.30
5327. Recreation, 1925		62.27			
5401. Ordnance and ordnance stores, 1925	3.30	391.07	426.95	43.78	159.50
5501. Construction and Repair, 1925	2,126.21	4,027.72	3,610.87	10.80	1,362.12
5601. Engineering, 1925	1,074.11	5,289.30	4,547.62	336.23	627.92
5701. Pay, Navy, 1925		75,949.93			
5702. Provisions, 1925		24,107.67			
5704. Maintenance, Supplies and Accounts, 1925	84.91	537.03			2.59
5708. Fuel and transportation, 1925		50,913.75			
Total current year appropriations	3,509.81	161,558.18	8,585.44	390.81	2,209.43
All prior year appropriations		1,941.28		76.40	
Appropriation purchases account material and industrial overhead	1,652.58	37,761.86	1,545.46	53.77	523.85
Grand total	5,162.39	201,261.32	10,130.90	520.98	2,733.28

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4221. Simpson					
1,215. Nov. 3, 1920 (12)					
5101. Pay, miscellaneous, 1925		$4.30			
5309. Instruments and supplies, 1925	$695.75	159.65	$8.00	$4,925.00	$3.55
5327. Recreation, 1925		159.50			
5401. Ordnance and ordnance stores, 1925	24.67	526.19		158.93	691.54
5501. Construction and Repair, 1925	2,290.02	4,769.66	7,583.14	1,187.23	1,852.90
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				1,800.16	
5601. Engineering, 1925	3,352.28	5,454.95	27,582.70	1,267.63	498.65
5701. Pay, Navy, 1925		113,256.75			
5702. Provisions, 1925		22,578.38			
5704. Maintenance, Supplies and Accounts, 1925	246.47	647.77			
5708. Fuel and transportation, 1925		36,875.20			
Total current year appropriations	6,609.19	184,432.35	35,173.84	9,338.95	3,046.64
All prior year appropriations		3,889.97	856.30	9,677.38	
Appropriation purchases account material and industrial overhead	7,520.39	22,126.31	5,001.88	2,055.52	399.22
Grand total	14,129.58	210,448.63	41,032.02	21,071.85	3,445.86
4275. Sinclair					
1,215. Oct. 8, 1919 (12)					
5101. Pay, miscellaneous, 1925		129.75			
5309. Instruments and supplies, 1925	150.56	57.65			41.18
5327. Recreation, 1925		372.10			
5401. Ordnance and ordnance stores, 1925	7.00	518.54			6,832.86
5501. Construction and Repair, 1925	1,282.37	5,231.79	12,048.14	2,928.60	2,482.02
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				19,114.44	
5601. Engineering, 1925	1,350.23	6,821.40	65,765.89	5,404.01	1,436.49
5605. Engineering, 1925–26				4,303.28	
5701. Pay, Navy, 1925		115,666.89			
5702. Provisions, 1925		24,776.64			
5704. Maintenance, Supplies and Accounts, 1925	126.45	816.86			48.82
5708. Fuel and transportation, 1925		23,994.66			
Total current year appropriations	2,916.61	178,386.28	77,814.03	31,750.33	10,841.37
All prior year appropriations	4,072.43	4,520.12		7,676.51	
Appropriation purchases account material and industrial overhead	8,070.50	22,438.06	8,602.41	4,830.17	1,675.91
Grand total	15,059.54	205,344.46	86,416.44	44,257.01	12,517.28
4316. Sloat					
1,215. Dec. 30, 1920 (12)					
5101. Pay, miscellaneous, 1925		356.07			
5309. Instruments and supplies, 1925	85.83	109.03			174.76
5327. Recreation, 1925		388.42			
5401. Ordnance and ordnance stores, 1925	50.03	538.18	6.74	15.00	3,696.05
5501. Construction and Repair, 1925	1,829.34	6,099.82	7,072.76	257.09	1,224.57
5601. Engineering, 1925	1,739.78	6,443.73	25,791.60	2,004.78	1,236.65
5701. Pay, Navy, 1925		123,186.50			
5702. Provisions, 1925		23,934.79			
5704. Maintenance, Supplies and Accounts, 1925	708.03	876.32			9.61
5708. Fuel and transportation, 1925		55,936.55			
Total current year appropriations	4,413.01	217,869.41	32,871.10	2,276.87	6,341.64
All prior year appropriations	41.00	3,885.53		13,608.28	16.00
Appropriation purchases account material and industrial overhead	*4,914.31*	19,481.24	5,936.24	772.91	628.28
Grand total	*460.30*	241,236.18	38,807.34	16,658.06	6,985.92

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4212. Smith Thompson					
1,215. Dec. 10, 1919 (12)					
5309. Instruments and supplies, 1925	$101.48	$39.15			$56.92
5327. Recreation, 1925		358.71			
5401. Ordnance and ordnance stores, 1925		305.98	$1.40		10.54
5501. Construction and Repair	3,541.68	3,291.43	1,720.67	$7.68	298.29
5601. Engineering, 9125	709.79	4,191.68	6,600.90	800.27	649.67
5701. Pay, Navy, 1925		127,349.42			
5702. Provisions, 1925		25,180.06			
5704. Maintenance, Supplies and Accounts, 1925	244.29	438.84			1.40
5708. Fuel and transportation, 1925		36,469.08			
Total current year appropriations	4,597.24	197,624.35	8,322.97	807.95	1,016.82
All prior year appropriations	*16.00*	923.35	568.95		
Appropriation purchases account material and industrial overhead	*106,834.53*	24,829.72	3,450.39	1,156.35	527.48
Grand total	*102,253.29*	223,377.42	12,342.31	1,964.30	1,544.30
4301. Somers					
1,215. June 23, 1920 (12)					
5101. Pay, miscellaneous, 1925		248.06			
5309. Instruments and supplies, 1925	537.46	68.01			233.94
5327. Recreation, 1925		394.18			
5401. Ordnance and ordnance stores, 1925	42.77	655.37	11.40		3,704.89
5501. Construction and Repair, 1925	4,534.86	6,137.00	9,514.87	1,311.39	2,104.64
5601. Engineering, 1925	3,462.50	7,093.48	47,158.75	3,129.46	1,544.02
5605. Engineering, 1925–26				*2.20*	
5701. Pay, Navy, 1925		118,493.27			
5702. Provisions, 1925		26,106.85			
5704. Maintenance, Supplies and Accounts, 1925	411.23	876.06			14.62
5708. Fuel and transportation, 1925		26,657.71			
Total current year appropriations	8,988.82	186,729.99	56,685.02	4,438.65	7,602.11
All prior year appropriations	25.00	3,780.37		6,058.52	32.00
Appropriation purchases account material and industrial overhead	22,701.45	31,394.77	5,395.53	3,249.74	1,902.63
Grand total	31,715.27	221,905.13	62,080.55	13,746.91	9,536.74
4224. Stewart					
1,215. Sept. 15, 1920 (12)					
5309. Instruments and supplies, 1925	230.02	231.95	6.20		75.94
5327. Recreation, 1925		89.60			
5401. Ordnance and ordnance stores, 1925		385.99	30.72		75.26
5501. Construction and Repair, 1925	2,915.58	3,951.64	4,384.45		2,424.23
5601. Engineering, 1925	1,254.05	4,967.98	11,179.55	339.79	1,709.49
5701. Pay, Navy, 1925		123,270.50			
5702. Provisions, 1925		24,611.76			
5704. Maintenance, Supplies and Accounts, 1925	261.54	526.90			
5708. Fuel and transportation, 1925		50,769.01			
Total current year appropriations	4,661.19	208,805.33	15,600.92	339.79	4,284.92
All prior year appropriations	*35.81*	269.79			10.00
Appropriation purchases account material and industrial overhead	*8,299.68*	39,406.11	7,508.10		671.58
Grand total	*3,674.30*	248,481.23	23,109.02	339.79	4,966.50

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4302. Stoddert					
1,215. June 30, 1920 (12)					
5101. Pay, miscellaneous, 1925		$1,106.73			
5309. Instruments and supplies, 1925	$495.72	53.19			$109.97
5327. Recreation, 1925		396.75			
5401. Ordnance and ordnance stores, 1925	23.90	460.31	$56.27		3,428.36
5501. Construction and Repair, 1925	4,083.84	4,794.60	11,311.77	$1,875.62	2,667.43
5601. Engineering, 1925	2,823.76	6,224.11	64,516.16	3,744.21	1,976.17
5605. Engineering, 1925–26				2,787.67	
5701. Pay, Navy, 1925		123,735.75			
5702. Provisions, 1925		25,068.20			
5704. Maintenance, Supplies and Accounts, 1925	219.80	673.79			72.49
5708. Fuel and transportation, 1925		26,436.01			
Total current year appropriations	7,647.02	188,949.44	75,884.20	8,407.50	8,254.42
All prior year appropriations		4,721.87	262.00	2,258.47	14.00
Appropriation purchases account material and industrial overhead	10,506.05	12,491.44	6,169.65	2,023.35	4,545.66
Grand total	18,153.07	206,162.75	82,315.85	12,689.32	12,814.08
4240. Sturtevant					
1,215. Sept. 21, 1920 (12)					
5101. Pay, miscellaneous, 1925		19.91			
5309. Instruments and supplies, 1925	771.43	62.38			14.32
5327. Recreation, 1925		223.37			
5401. Ordnance and ordnance stores, 1925		453.52	11.63	515.24	1,305.63
5501. Construction and Repair, 1925	5,327.86	4,224.58	6,409.97	1,363.11	345.05
5601. Engineering, 1925	6,967.43	5,002.22	16,807.25	9,373.64	469.54
5701. Pay, Navy, 1925		123,292.93			
5702. Provisions, 1925		22,934.15			
5704. Maintenance, Supplies and Accounts, 1925	154.58	575.11			35.27
5708. Fuel and transportation, 1925		27,250.37			
Total current year appropriations	13,221.30	184,038.54	23,228.85	11,251.99	2,169.81
All prior year appropriations	33.40	3,929.70	24.00	7,730.45	
Appropriation purchases account material and industrial overhead	*835.18*	40,973.07	7,087.49	5,188.85	824.46
Grand total	12,419.52	228,941.31	30,340.34	24,171.29	2,994.27
4333. Sumner					
1,215. May 27, 1921 (12)					
5101. Pay, miscellaneous, 1925		434.87			
5309. Instruments and supplies, 1925	249.92	107.92			323.41
5327. Recreation, 1925		327.47			
5401. Ordnance and ordnance stores, 1925		433.97	18	1.44	932.53
5501. Construction and Repair, 1925	3,094.11	4,061.39	3,587.06	77.27	1,416.08
5601. Engineering, 1925	1,046.76	4,948.91	13,184.40	1,587.27	2,272.65
5701. Pay, Navy, 1925		114,881.17			
5702. Provisions, 1925		24,197.49			
5704. Maintenance, Supplies and Accounts, 1925	525.10	538.71			45.71
5708. Fuel and transportation, 1925		25,230.83			
Total current year appropriations	4,915.89	175,162.73	16,771.64	1,665.98	4,990.38
All prior year appropriations	2,387.81	2,030.32	375.14	52.11	36.00
Appropriation purchases account material and industrial overhead	14,255.38	27,720.06	3,591.39	97.59	432.80
Grand total	21,559.08	204,913.11	20,738.17	1,815.68	5,459.18

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4305. Thompson					
1215. Aug. 16, 1920 (12)					
5309. Instruments and supplies, 1925	$451.13	$47.09			$234.27
5327. Recreation, 1925		393.29			
5401. Ordnance and ordnance stores, 1925	34.65	539.77			3,521.12
5501. Construction and Repair, 1925	2,647.35	4,239.52	$9,588.44	$2,179.27	2,622.11
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	*4.70*				
5601. Engineering, 1925	2,064.44	5,154.06	46,739.00	3,939.09	926.34
5605. Engineering, 1925–26				3,722.07	
5701. Pay, Navy, 1925		104,775.62			
5702. Provisions, 1925		23,622.42			
5704. Maintenance, Supplies and Accounts, 1925	235.50	660.99			.66
5708. Fuel and transportation, 1925		24,437.51			
Total current year appropriations	5,428.37	163,870.27	56,327.44	9,840.43	7,304.50
All prior year appropriations	65.76	3,687.96	251.51	9,469.36	
Appropriation purchases account material and industrial overhead	9,123.16	12,096.05	7,506.63	2,767.17	4,709.84
Grand total	14,617.29	179,654.28	64,085.58	22,076.96	12,014.34
4282. Toucey					
1215. Dec. 9, 1919 (12)					
5101. Pay, miscellaneous, 1925		107.04			
5309. Instruments and supplies, 1925	5,770.41	94.10			36.26
5327. Recreation, 1925		404.90			
5401. Ordnance and ordnance stores, 1925	81.93	491.64	121.53	1,175.03	3,531.84
5501. Construction and repair, 1925	3,880.88	5,046.72	17,835.38	3,576.10	2,339.68
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				1,122.70	
5601. Engineering, 1925	2,234.33	6,744.80	86,687.26	1,459.07	1,715.35
5701. Pay, Navy, 1925		130,509.68			
5702. Provisions, 1925		25,409.15			
5704. Maintenance Supplies and Accounts, 1925	551.08	674.45			40.85
5708. Fuel and transportation, 1925		39,541.29			
Total current year appropriations	12,518.63	209,023.77	104,644.17	7,332.90	7,663.98
All prior year appropriations	294.25	4,713.29		17,242.52	13.70
Appropriation purchases account material and industrial overhead	3,569.20	18,326.43	13,480.30	3,034.65	1,717.70
Grand total	16,382.08	232,063.49	118,124.47	27,610.07	9,395.38
4214. Tracy					
1,215. Mar. 9, 1920 (12)					
5101. Pay, miscellaneous, 1925		476.86			
5309. Instruments and supplies, 1925	188.38	186.41			100.24
5327. Recreation, 1925		227.08			
5401. Ordnance and ordnance stores, 1925		347.28			32.16
5501. Construction and Repair, 1925	2,376.94	3,983.28	2,257.24	25.68	778.92
5601. Engineering, 1925	934.28	4,588.01	4,936.93	46.92	846.45
5701. Pay, Navy, 1925		117,693.78			
5702. Provisions, 1925		25,422.30			
5704. Maintenance Supplies and Accounts, 1925	278.26	531.09			24.70
5708. Fuel and transportation, 1925		29,255.00			
Total current year appropriations	3,777.86	182,711.09	7,194.17	72.60	1,782.47
All prior year appropriations	603.72	*2,311.06*			
Appropriation purchases account material and industrial overhead	*96,299.81*	9,477.51	6,828.95	796.25	458.47
Grand total	*91,918.23*	189,877.54	14,023.12	868.85	2,240.94

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4229. Truxtun					
1,215. Feb. 16, 1921 (12)					
5101. Pay, miscellaneous, 1925		$13.07			
5309. Instruments and supplies, 1925	$155.94	157.89			$100.76
5327. Recreation, 1925		221.20			
5401. Ordnance and ordnance stores, 1925		387.77	$3.94		124.88
5501. Construction and Repair, 1925	3,615.96	3,670.46	2,210.43	$64.93	308.85
5601. Engineering, 1925	673.32	4,611.56	1,682.55	546.27	340.47
5701. Pay, Navy, 1925		80,781.52			
5702. Provisions, 1925		25,675.31			
5704. Maintenance Supplies and Accounts, 1925	54.81	489.42			16.99
5708. Fuel and transportation, 1925		33,522.01			
Total current year appropriations	4,500.03	149,530.21	3,896.92	611.20	891.95
All prior year appropriations		114.38			
Appropriation purchases account material and industrial overhead	*3,066.19*	38,133.92	1,004.31	117.51	141.09
Grand total	1,433.84	187,778.51	4,901.23	728.71	1,033.04
4217. Whipple					
1,215. Apr. 23, 1920 (12)					
5101. Pay, miscellaneous, 1925		.92			
5309. Instruments and supplies, 1925	249.76	113.67			147.87
5327. Recreation, 1925		360.32			
5401. Ordnance and ordnance stores, 1925		349.49	1.28		354.25
5501. Construction and Repair, 1925	5,184.80	3,783.73	4,036.39	7.68	529.89
5601. Engineering, 1925	1,080.43	4,652.51	7,461.29	100.84	325.25
5701. Pay, Navy, 1925		104,467.54			
5702. Provisions, 1925		24,756.60			
5704. Maintenance Supplies and Accounts, 1925	189.84	504.49			15.39
5708. Fuel and transportation, 1925		38,033.67			
Total current year appropriations	6,704.83	177,022.94	11,498.96	108.52	1,372.65
All prior year appropriations	27.50	228.59			
Appropriation purchases account material and industrial overhead	*94,395.41*	43,460.90	2,599.56		350.46
Grand total	*87,663.08*	220,712.43	14,098.52	108.52	1,723.11
4344. William B. Preston					
1,215. Apr. 13, 1921 (12)					
5101. Pay, miscellaneous, 1925		27.59			
5309. Instruments and supplies, 1925	306.78	492.87			57.48
5327. Recreation, 1925		87.75			
5401. Ordnance and ordnance stores, 1925	5.11	342.75	143.28	45.72	173.04
5501. Construction and Repair, 1925	5,529.96	3,373.67	6,363.43		1,478.35
5601. Engineering, 1925	860.46	4,533.67	10,822.29	1,302.88	760.72
5701. Pay, Navy, 1925		75,223.32			
5702. Provisions, 1925		24,610.43			
5704. Maintenance, Supplies, and Accounts, 1925	152.00	449.81			
5708. Fuel and transportation, 1925		53,783.36			
Total current year appropriations	6,854.31	162,925.22	17,329.00	1,348.60	2,469.59
All prior year appropriations	81.31	6,312.60			
Appropriation purchases account material and industrial overhead	*87,304.61*	70,495.53	2,454.89	406.27	424.79
Grand total	*80,368.99*	239,733.35	19,783.89	1,754.87	2,894.38

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4308. William Jones					
1,308. ——— (12)					
5101. Pay, miscellaneous, 1925	----------	$4.10	----------	----------	----------
5309. Instruments and supplies, 1925	$93.51	38.88	----------	----------	$29.14
5327. Recreation, 1925	----------	374.10	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	2.76	397.40	----------	----------	1,176.45
5501. Construction and Repair, 1925	563.50	3,509.81	$3,296.87	$32.32	161.24
5601. Engineering, 1925	673.75	4,229.59	24,952.85	232.94	1,410.10
5605. Engineering, 1925–26	----------	----------	----------	128.32	----------
5701. Pay, Navy, 1925	----------	107,828.39	----------	----------	----------
5702. Provisions, 1925	----------	23,712.92	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	172.47	466.52	----------	----------	17.13
5708. Fuel and transportation, 1925	----------	26,893.69	----------	----------	----------
Total current year appropriations	1,505.99	167,455.40	28,249.72	393.58	2,794.06
All prior year appropriations	815.23	3,129.93	233.61	27.26	28.00
Appropriation purchases account material and industrial overhead	22,975.48	16,051.26	1,716.91	25.95	192.71
Grand total	25,296.70	186,636.59	30,200.24	446.79	3,014.77
4244. Williamson					
1,215. Oct. 29, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	6.60	----------	----------	----------
5309. Instruments and supplies, 1925	573.42	66.52	----------	----------	35.52
5327. Recreation, 1925	----------	172.06	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	173.65	490.68	10.74	378.43	1,759.98
5501. Construction and Repair, 1925	2,345.64	3,961.27	6,378.42	871.10	188.95
5601. Engineering, 1925	995.66	4,696.81	15,360.76	2,561.92	282.70
5701. Pay, Navy, 1925	----------	121,355.32	----------	----------	----------
5702. Provisions, 1925	----------	24,500.87	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	126.35	527.43	----------	----------	11.73
5708. Fuel and transportation, 1925	----------	44,328.04	----------	----------	----------
Total current year appropriations	4,214.72	200,105.60	21,749.92	3,811.45	2,278.88
All prior year appropriations	*478.08*	4,525.75	----------	9.80	----------
Appropriation purchases account material and industrial overhead	6,335.18	12,213.76	2,668.26	515.62	285.40
Grand total	10,071.82	216,845.11	24,418.18	4,336.87	2,564.28
4317. Wood					
1,215. Jan. 28, 1921 (12)					
5101. Pay, miscellaneous, 1925	----------	250.50	----------	----------	----------
5309. Instruments and supplies, 1925	440.72	89.09	----------	----------	273.65
5327. Recreation, 1925	----------	116.50	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	589.04	----------	1.76	2,373.54
5501. Construction and Repair, 1925	4,128.41	5,076.33	8,098.08	621.34	1,374.70
5601. Engineering, 1925	2,237.62	5,424.16	31,057.30	3,431.60	940.01
5701. Pay, Navy, 1925	----------	104,365.04	----------	----------	----------
5702. Provisions, 1925	----------	22,384.74	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	115.87	739.22	----------	----------	1.33
5708. Fuel and transportation, 1925	----------	31,570.26	----------	----------	----------
Total current year appropriations	6,922.62	170,604.88	39,155.38	4,054.70	4,963.23
All prior year appropriations	85.83	3,599.19	54.50	475.01	----------
Appropriation purchases account material and industrial overhead	13,410.42	44,670.41	9,883.81	152.28	391.59
Grand total	20,418.87	218,874.48	49,093.69	4,681.99	5,354.82

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4288. Worden					
1,215. Feb. 24, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	$179.79	----------	----------	----------
5309. Instruments and supplies, 1925	$168.38	368.89	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	359.32	----------	----------	----------
5501. Construction and Repair, 1925	565.06	4,845.44	$2,940.00	*$37.98*	----------
5601. Engineering, 1925	1,442.35	7,103.20	2,344.10	----------	$136.79
5701. Pay, Navy, 1925	----------	139,589.28	----------	----------	----------
5702. Provisions, 1925	----------	37,049.84	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	10.66	746.88	----------	----------	25.68
5708. Fuel and transportation, 1925	----------	88,214.04	----------	----------	----------
5802. Contingent Medicine and Surgery, 1925	----------	38.70	----------	----------	----------
Total current year appropriations	2,186.45	278,495.38	5,284.10	*37.98*	162.47
All prior year appropriations	142.90	9,291.93	----------	45.36	29.00
Appropriation purchases account material and industrial overhead	*6,117.29*	2,450.02	3.90	1.77	----------
Grand total	*3,787.94*	290,237.33	5,288.00	9.15	191.47
4314. Yarborough					
1,215. Dec. 31, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	19.20	----------	----------	----------
5309. Instruments and supplies, 1925	481.38	56.26	----------	----------	211.34
5327. Recreation, 1925	----------	107.85	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	550.11	9.85	28.77	2,842.66
5501. Construction and Repair, 1925	4,420.87	5,097.35	8,398.11	954.11	2,521.53
5601. Engineering, 1925	1,957.85	5,542.64	24,123.29	2,506.89	1,702.46
5701. Pay, Navy, 1925	----------	118,350.13	----------	----------	----------
5702. Provisions, 1925	----------	24,574.84	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	387.43	744.21	----------	----------	30.85
5708. Fuel and transportation, 1925	----------	17,604.72	----------	----------	----------
Total current year appropriations	7,247.53	172,647.31	32,531.25	3,489.77	7,308.84
All prior year appropriations	176.30	2,415.13	----------	15,631.28	----------
Appropriation purchases account material and industrial overhead	13,908.84	30,597.71	7,096.02	1,183.99	823.22
Grand total	21,332.67	205,660.15	39,627.27	20,305.04	8,132.06
4313. Zeilin					
1,215. ——— (12)					
5309. Instruments and supplies, 1925	534.45	58.79	----------	----------	29.77
5327. Recreation, 1925	----------	303.74	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	554.63	----------	----------	24.11
5501. Construction and Repair, 1925	1,523.66	5,288.12	910.86	----------	142.21
5601. Engineering, 1925	302.40	6,358.02	4,881.77	----------	613.65
5605. Engineering, 1925–26	----------	----------	----------	288.52	----------
5701. Pay, Navy, 1925	----------	109,848.38	----------	----------	----------
5702. Provisions, 1925	----------	24,315.08	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	203.24	705.10	----------	----------	----------
5708. Fuel and transportation, 1925	----------	27,843.78	----------	----------	----------
Total current year appropriations	2,463.75	175,275.64	5,792.63	288.52	809.74
All prior year appropriations	----------	4,630.58	----------	1,945.03	----------
Appropriation purchases account material and industrial overhead	*7,499.89*	37,119.50	86.85	----------	41.36
Grand total	*5,036.14*	217,025.72	5,879.48	2,233.55	851.10

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT MINE LAYERS					
4171. Burns					
1,191. Aug. 7, 1919 (12)					
5101. Pay, miscellaneous, 1925		$30.80			
5102. Contingent, Navy		124.73			
5309. Instruments and supplies, 1925	$12.48	51.81			$141.21
5327. Recreation, 1925		207.17			
5401. Ordnance and ordnance stores, 1925		379.69		$154.23	400.58
5501. Construction and Repair, 1925	3,394.27	4,664.24	$5,409.72	15,077.93	278.82
5601. Engineering, 1925	1,221.36	5,325.92	15,399.27	4,599.81	695.70
5701. Pay, Navy, 1925		104,149,88			
5702. Provisions, 1925		22,800.52			
5704. Maintenance, Supplies and Accounts, 1925	151.39	621.87			98.25
5708. Fuel and transportation, 1925		22,342.68			
Total current year appropriations	4,779.50	160,699.31	20,808.99	19,831.97	1,614.56
All prior year appropriations	129.12	3,300.20		226.29	
Appropriation purchases account material and industrial overhead	7,718.55	7,941.45	7,478.29	5,768.75	426.39
Grand total	12,627.17	171,940.96	28,287.28	25,827.01	2,040.95
4110. Hart					
1,191. May 26, 1919 (12)					
5101. Pay, miscellaneous, 1925		21.60			
5309. Instruments and supplies, 1925	19.25	38.19			9.01
5310. Ocean and lake surveys, 1925		1.16			
5327. Recreation, 1925		118.90			
5401. Ordnance and ordnance stores, 1925		270.96	16.96		249.84
5501. Construction and Repair, 1925	3,114.02	3,436.33	4,770.99	10,297.97	1,850.32
5601. Engineering, 1925	1,986.53	5,099.57	9,072.33	3,829.53	515.12
5701. Pay, Navy, 1925		109,229.16			
5702. Provisions, 1925		22,628.17			
5704. Maintenance, Supplies and Accounts, 1925	153.78	458.18			31.97
5708. Fuel and transportation, 1925		40,566.25			
Total current year appropriations	5,273.58	181,868.47	13,860.28	14,127.50	2,656.26
All prior year appropriations	64.83	2,513.45			26.00
Appropriation purchases account material and industrial overhead	*372.11*	8,206.09	2,515.71	2,817.61	823.67
Grand total	4,966.30	192,588.01	16,375.99	16,945.11	3,505.93
4112. Ludlow					
1,191. Dec. 23, 1918 (12)					
5101. Pay, miscellaneous 1925		138.99			
5309. Instruments and supplies, 1925	24.41	62.51			315.03
5327. Recreation, 1925		366.87			
5401. Ordnance and ordnance stores, 1925	1,581.57	448.09		71.47	145.94
5501. Construction and repair, 1925	3,135.90	5,625.97	9,257.93	188.34	126.15
5601. Engineering, 1925	1,732.22	6,316.60	33,538.81	48.83	264.11
5701. Pay, Navy, 1925		117,597.18			
5702. Provisions, 1925		22,816.24			
5704. Maintenance, Supplies and Accounts, 1925	112.10	750.17			161.60
5708. Fuel and transportation, 1925		22,724.12			
Total current year appropriations	6,586.20	176,846.74	42,796.74	308.64	1,012.83
All prior year appropriations	130.27	2,601.40			40.00
Appropriation purchases account material and industrial overhead	*19,467.70*	12,943.54	17,514.45	233.76	688.29
Grand total	*12,751.23*	192,391.68	60,311.19	542.40	1,741.12

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT MINE LAYERS—continued					
4102. Mahan					
1,191. Oct. 24, 1918 (12)					
5101. Pay, miscellaneous, 1925		$8.05			
5309. Instruments and supplies, 1925	$9.18	300.86			$6.32
5327. Recreation, 1925		328.45			
5401. Ordnance and ordnance stores, 1925		384.36			521.70
5501. Construction and Repair, 1925	4,757.49	4,825.79	$10,949.05	$491.06	1,381.97
5601. Engineering, 1925	3,484.42	6,261.56	18,475.67	568.39	588.85
5701. Pay, Navy, 1925		117,452.81			
5702. Provisions, 1925		22,550.54			
5704. Maintenance, Supplies and Accounts, 1925	404.14	666.76			74.43
5708. Fuel and transportation, 1925		33,851.28			
Total current year appropriations	8,655.23	186,630.46	29,424 72	1,059.45	2,573.27
All prior year appropriations	445.30	850.05		13,654.03	
Appropriation purchases account material and industrial overhead	*7,981.24*	8,841.23	5,041.60	2,076.22	597.27
Grand total	1,119.29	196,321.74	34,466.32	16,789.70	3,170.54
4100. Maury					
1,191. Sept. 23, 1918 (12)					
5309. Instruments and supplies, 1925	771.00	163.91			16.54
5327. Recreation, 1925		240.48			
5401. Ordnance and ordnance stores, 1925	25.54	329.83			343.67
5501. Construction and Repair, 1925	2,924.06	4,099.98	9,141.72	526.16	2,159.92
5601. Engineering, 1925	591.01	5,253.81	21,543.00	606.12	737.68
5701. Pay, Navy, 1925		118,485.10			
5702. Provisions, 1925		22,690.46			
5704. Maintenance, Supplies and Accounts, 1925	436.15	553.77			56.68
5708. Fuel and transportation, 1925		33,045.95			
Total current year appropriations	4,747.76	184,863.29	30,684.72	1,132.28	3,314.49
All prior year appropriations	71.42	2,304.96		13,631.18	
Appropriation purchases account material and industrial overhead	*8,166.38*	21,739.70	11,759.91	2,208.41	703.24
Grand total	*8,347.20*	208,907.95	42,444.63	16,971.87	4,017.73
4174. Rizal					
1,191. May 28, 1919 (12)					
5101. Pay, miscellaneous, 1925		119.47			
5309. Instruments and supplies, 1925	76.04	61.42	.90		100.54
5327. Recreation, 1925		308.36			
5401. Ordnance and ordnance stores, 1925		250.87			5.52
5501. Construction and Repair, 1925	1,306.05	3,225.72	5,437.39	1,544.86	263.33
5601. Engineering, 1925	524.97	4,185.91	2,778.92	318.29	1,256.80
5701. Pay, Navy, 1925		114,982.31			
5702. Provisions, 1925		24,660.79			
5704. Maintenance, Supplies and Accounts, 1925	26.68	430.08			46.39
5708. Fuel and transportation, 1925		29,281.30			
Total current year appropriations	1,933.74	177,506.23	8,217.21	1,863.15	1,672.58
All prior year appropriations		4,449.57			
Appropriation purchases account material and industrial overhead	*18,748.99*	5,215.98	3,359.78	408.61	185.72
Grand total	*16,815.25*	187,171.78	11,576.99	2,271.76	1,858.30

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE					
5105. S-1					
——. June 5, 1920 (12)					
5309. Instruments and supplies, 1925	$76.50	$25.17	----------	----------	----------
5327. Recreation, 1925	----------	50.00	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	176.25	----------	----------	----------
5501. Construction and Repair, 1925	220.29	2,266.04	$4,979.37	$9,958.02	----------
5601. Engineering, 1925	4,691.13	3,050.74	2,408.44	1,927.42	----------
5701. Pay, Navy, 1925	----------	58,885.56	----------	----------	----------
5702. Provisions, 1925	----------	6,299.07	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	29.86	302.16	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,705.77	----------	----------	----------
Total current year appropriations	5,017.78	74,760.76	7,387.81	11,885.44	----------
All prior year appropriations	----------	30.90	----------	----------	----------
Appropriation purchases account material and industrial overhead	*14,499.39*	7,833.40	904.23	7,241.57	----------
Grand total	*9,481.61*	82,625.06	8,292.04	19,127.01	----------
5106. S-2					
——. May 25, 1920 (12)					
5309. Instruments and supplies, 1925	19.21	47.03	----------	----------	$28.28
5327. Recreation, 1925	----------	98.40	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	30.99	329.20	----------	----------	51.96
5501. Construction and Repair, 1925	77.80	4,232.72	1,074.09	9,383.42	----------
5601. Engineering, 1925	600.74	7,873.89	2,994.61	1,472.39	341.91
5701. Pay, Navy, 1925	----------	30,777.96	----------	----------	----------
5702. Provisions, 1925	----------	339.31	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	39.66	564.36	----------	----------	----------
5708. Fuel and transportation, 1925	----------	1,885.51	----------	----------	----------
Total current year appropriations	768.40	46,148.38	4,068.70	10,855.81	422.15
All prior year appropriations	528.17	3,140.67	----------	----------	24.00
Appropriation purchases account material and industrial overhead	*26,180.12*	18,742.61	1,408.66	----------	68.94
Grand total	*24,883.55*	68,031.66	5,477.36	10,855.81	515.09
5107. S-3					
——. Jan. 30, 1919 (12)					
5309. Instruments and supplies, 1925	120.12	101.34	225.91	----------	28.36
5327. Recreation, 1925	----------	41.85	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	709.34	----------	----------	25.14
5501. Construction and Repair, 1925	691.09	9,120.20	19,221.74	13,887.26	193.25
5601. Engineering, 1925	5,673.19	9,338.16	6,937.81	4,560.92	45.93
5701. Pay, Navy, 1925	----------	47,624.96	----------	----------	----------
5702. Provisions, 1925	----------	13,864.39	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	102.51	1,216.02	----------	----------	----------
5708. Fuel and transportation, 1925	----------	11,286.96	----------	----------	----------
Total current year appropriations	6,586.91	93,303.22	26,385.46	18,448.18	292.68
All prior year appropriations	----------	----------	----------	3,204.85	----------
Appropriation purchases account material and industrial overhead	*8,707.28*	6,414.51	3,851.30	2,936.89	27.04
Grand total	*2,120.37*	99,717.73	30,236.76	24,589.92	319.72

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5109. S-4					
——. Nov. 19, 1919. (12)					
5309. Instruments and supplies, 1925	$161.75	$21.35			$84.51
5327. Recreation, 1925		163.33			
5401. Ordnance and ordnance stores, 1925	5.40	149.44			473.40
5501. Construction and Repair, 1925	623.68	1,941.40	$7,006.49	$3,217.62	81.30
5601. Engineering, 1925	851.21	6,167.50	13,634.64	1,343.58	1,245.45
5701. Pay, Navy, 1925		45,812.50			
5702. Provisions, 1925		6,939.50			
5704. Maintenance, Supplies and Accounts, 1925	70.44	256.20			
5708. Fuel and transportation, 1925		3,949.18			
Total current year appropriations	1,712.48	65,400.40	20,641.13	4,561.20	1,884.66
All prior year appropriations		28.71		1,860.00	
Appropriation purchases account material and industrial overhead	*32,523.51*	15,496.16	10,048.04	8,890.28	87.72
Grand total	*30,811.03*	80,925.27	30,689.17	15,311.48	1,972.38
5111. S-6					
——. May 17, 1920 (12)					
5309. Instruments and supplies, 1925	5.84	17.50	48.32		84.33
5327. Recreation, 1925		126.58			
5401. Ordnance and ordnance stores, 1925		122.55			603.56
5501. Construction and Repair, 1925	7,670.19	1,575.63	6,494.24	1,821.39	107.97
5601. Engineering, 1925	3,613.50	5,718.93	14,968.83	968.90	1,537.89
5701. Pay, Navy, 1925		40,161.54			
5702. Provisions, 1925		3,656.71			
5704. Maintenance, Supplies and Accounts, 1925	.35	210.07			
5708. Fuel and transportation, 1925		2,571.03			
Total current year appropriations	11,289.88	54,160.54	21,511.39	2,790.29	2,333.75
All prior year appropriations				1,860.00	
Appropriation purchases account material and industrial overhead	*13,987.26*	5,450.37	11,223.20	2,165.00	462.97
Grand total	*2,697.38*	59,610.91	32,734.59	6,815.29	2,796.72
5112. S-7					
——. July 1, 1920 (12)					
5309. Instruments and supplies, 1925	89.35	21.46	47.12		25.14
5327. Recreation, 1925		126.44			
5401. Ordnance and ordnance stores, 1925	10.40	150.26			588.67
5501. Construction and Repair, 1925	379.06	1,948.23	4,174.66	1,731.20	307.74
5601. Engineering, 1925	3,731.00	6,979.46	11,244.71	1,186.65	2,089.66
5701. Pay, Navy, 1925		49,624.96			
5702. Provisions, 1925		8,651.61			
5704. Maintenance, Supplies and Accounts, 1925	70.00	257.61			
5708. Fuel and transportation, 1925		4,265.87			
Total current year appropriations	4,279.81	72,025.90	15,466.49	2,917.85	3,011.21
All prior year appropriations		1,829.83		1,860.00	
Appropriation purchases account material and industrial overhead	*12,561.95*	3,645.15	9,797.50	2,872.31	697.68
Grand total	*8,282.14*	77,500.88	25,263.99	7,650.16	3,708.89

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5113. S-8					
——. Oct. 1, 1920 (12)					
5309. Instruments and supplies, 1925	----------	$24.88	$47.12	----------	$14.00
5327. Recreation, 1925	----------	142.63	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	174.14	----------	----------	305.76
5501. Construction and Repair, 1925	$371.32	2,238.86	2,534.31	$130.86	149.15
5601. Engineering, 1925	3,503.22	5,638.24	2,102.64	270.19	586.47
5701. Pay, Navy, 1925	----------	46,962.41	----------	----------	----------
5702. Provisions, 1925	----------	6,860.06	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	.16	298.51	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,957.09	----------	----------	----------
Total current year appropriations	3,874.70	66,296.82	4,684.07	401.05	1,055.38
All prior year appropriations	----------	*2.43*	----------	1,860.00	----------
Appropriation purchases account material and industrial overhead	*14,767.13*	8,556.68	7,642.91	178.91	117.67
Grand total	*10,892.43*	74,851.07	12,326.98	2,439.96	1,173.05
5114. S-9					
——. Feb. 21, 1921 (12)					
5309. Instruments and supplies, 1925	1.35	22.98	47.12	----------	12.07
5327. Recreation, 1925	----------	175.85	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	160.87	----------	----------	459.30
5501. Construction and Repair, 1925	45.25	2,088.25	2,030.39	144.60	144.67
5601. Engineering, 1925	3,522.09	5,654.09	3,468.26	420.11	2,653.54
5701. Pay, Navy, 1925	----------	46,481.22	----------	----------	----------
5702. Provisions, 1925	----------	5,721.26	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	5.05	275.74	----------	----------	----------
5708. Fuel and transportation, 1925	----------	4,345.71	----------	----------	----------
Total current year appropriations	3,573.74	64,925.97	5,545.77	564.71	3,269.58
All prior appropriations	----------	27.10	----------	1,860.00	----------
Appropriation purchases account material and industrial overhead	*11,563.46*	3,342.08	5,841.36	461.95	497.38
Grand total	*7,989.72*	68,295.15	11,387.13	2,886.66	3,766.96
5115. S-10					
——. Sept. 21, 1922 (12)					
5309. Instruments and supplies, 1925	171.05	193.44	2.15	3,745.00	18.79
5327. Recreation, 1925	----------	141.58	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	144.00	122.80	----------	----------	----------
5501. Construction and Repair, 1925	164.88	1,262.81	9,193.82	2,478.53	----------
5601. Engineering, 1925	2,579.11	3,806.37	15,611.89	6,740.91	18.80
5701. Pay, Navy, 1925	----------	55,621.78	----------	----------	----------
5702. Provisions, 1925	----------	10,829.07	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	695.40	168.37	----------	----------	----------
5708. Fuel and transportation, 1925	----------	7,771.80	----------	----------	----------
Total current year appropriations	3,754.44	79,918.02	24,807.86	12,964.44	37.59
All prior year appropriations	----------	937.43	----------	----------	----------
Appropriation purchases account material and industrial overhead	114,708.48	3,658.76	6,804.67	5,685.92	4.17
Grand total	118,462.92	84,514.21	31,612.53	18,650.36	41.76

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5116. S-11					
——. Jan. 11, 1923 (12)					
5309. Instruments and supplies, 1925	$1,279.84	$25.06	$6.17	$49.88	----------
5327. Recreation, 1925	----------	199.37	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	219.14	----------	----------	$8.64
5501. Construction and Repair, 1925	1,408.27	2,256.68	5,488.78	2,018.53	1.34
5601. Engineering, 1925	754.08	6,316.89	4,152.24	5,574.06	88.22
5701. Pay, Navy, 1925	----------	55,985.15	----------	----------	----------
5702. Provisions, 1925	----------	8,567.02	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	241.32	316.11	----------	----------	----------
5708. Fuel and transportation, 1925	----------	7,600.51	----------	----------	----------
Total current year appropriations	3,683.51	81,485.93	9,647.19	7,642.47	98.20
All prior year appropriations	----------	*849.28*	----------	----------	----------
Appropriation purchases account material and industrial overhead	81,039.13	7,709.50	2,101.20	10,540.70	18.58
Grand total	84,722.64	88,346.15	11,748.39	18,183.17	116.78
5117. S-12					
——. Apr. 30, 1923 (12)					
5309. Instruments and supplies, 1925	421.54	51.19	38.63	64.42	----------
5327. Recreation, 1925	----------	112.08	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	30.00	216.05	----------	----------	----------
5501. Construction and Repair, 1925	80.29	2,357.42	3,191.17	3,651.61	----------
5601. Engineering, 1925	1,278.20	5,592.05	3,795.95	3,628.35	----------
5701. Pay, Navy, 1925	----------	53,918.69	----------	----------	----------
5702. Provisions, 1925	----------	8,807.26	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925.	335.52	329.52	----------	----------	----------
5708. Fuel and transportation, 1925	----------	7,561.80	----------	----------	----------
Total current-year appropriations	2,145.55	78,946.06	7,025.75	7,344.38	----------
All prior-year appropriations	----------	82.40	----------	----------	----------
Appropriation purchases account, material and industrial overhead	79,636.92	6,788.19	3,197.87	6,433.67	----------
Grand total	81,782.47	85,816.65	10,223.62	13,778.05	----------
5118. S-13					
——. July 14, 1923 (12)					
5309. Instruments and supplies, 1925	496.11	31.97	126.21	5.32	----------
5327. Recreation, 1925	----------	189.37	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	281.39	----------	----------	22.80
5501. Construction and Repair, 1925	139.19	2,877.77	5,286.86	4,354.39	108.19
5601. Engineering, 1925	451.20	4,727.06	9,487.38	3,543.71	1,308.96
5701. Pay, Navy, 1925	----------	49,929.90	----------	----------	----------
5702. Provisions, 1925	----------	8,207.95	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	70.00	383.71	----------	----------	2.63
5708. Fuel and transportation, 1925	----------	7,431.27	----------	----------	----------
Total current-year appropriations	1,156.50	74,060.39	14,900.45	7,903.42	1,442.58
All prior-year appropriations	----------	78.17	----------	----------	----------
Appropriation purchases account, material and industrial overhead	60,612.63	848.66	16,044.58	9,028.53	122.43
Grand total	61,769.13	74,987.22	30,945.03	16,931.95	1,565.01

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5119. S–14					
——. Feb. 11, 1921 (12)					
5309. Instruments and supplies, 1925	$1.35	$18.96			$12.00
5327. Recreation, 1925		179.83			
5401. Ordnance and ordnance stores, 1925		132.66			270.08
5501. Construction and Repair, 1925	395.09	1,721.90	$1,016.52	$58.08	30.86
5510. Increase of the Navy (joint Construction and Repair and engineering allotment)	7,971.10				
5601. Engineering, 1925	4,007.51	7,006.55	3,409.66	32.79	2,054.16
5701. Pay, Navy, 1925		40,753.38			
5702. Provisions, 1925		5,767.60			
5704. Maintenance, Supplies and Accounts, 1925		227.41			
5708. Fuel and transportation, 1925		4,853.50			
Total current-year appropriations	12,375.05	60,661.79	4,426.18	90.87	2,367.10
All prior-year appropriations	86.12	6,302.87		1,860.00	10.00
Appropriation purchases account material and industrial overhead	*11,825.36*	9,962.98	151.41	316.26	4,949.21
Grand total	635.81	76,927.64	4,577.59	2,267.13	7,326.31
5120. S–15					
——. Jan. 15, 1921 (12)					
5309. Instruments and supplies, 1925	119.85	24.11			55.02
5327. Recreation, 1925		165.80			
5401. Ordnance and ordnance stores, 1925	10.40	168.71	*2.00*		173.65
5501. Construction and Repair, 1925	363.05	2,217.27	819.20	251.68	56.40
5601. Engineering, 1925	3,492.26	6,181.20	6,777.75	16.96	778.87
5701. Pay, Navy, 1925		52,273.37			
5702. Provisions, 1925		7,661.47			
5704. Maintenance, Supplies and Accounts, 1925		289.22			
5708. Fuel and transportation, 1925		4,446.99			
Total current-year appropriations	3,985.56	73,428.14	7,594.95	268.64	1,063.94
All prior-year appropriations		1,673.49		1,860.00	
Appropriation purchases account material and industrial overhead	*35,768.69*	9,946.30	3,246.28	316.26	50.33
Grand total	*31,783.13*	85,047.93	10,841.23	2,444.90	1,114.27
5121. S–16					
——. Dec. 17, 1920 (12)					
5309. Instruments and supplies, 1925	200.00	21.63			12.00
5327. Recreation, 1925		168.50			
5401. Ordnance and ordnance stores, 1925		151.39			80.72
5501. Construction and Repair, 1925	375.43	1,978.86	2,625.96		63.47
5601. Engineering, 1925	391.18	6,423.29	5,806.39	49.75	1,094.71
5701. Pay, Navy, 1925		45,393.97			
5702. Provisions, 1925		6,852.73			
5704. Maintenance, Supplies and Accounts, 1925	1.51	259.52			
5708. Fuel and transportation, 1925		3,728.03			
Total current-year appropriations	968.12	64,977.92	8,432.35	49.75	1,250.90
All prior-year appropriations		1,417.58		1,860.00	
Appropriation purchases account material and industrial overhead	*33,310.91*	10,851.34	2,497.66	1,081.81	19.96
Grand total	*32,342.79*	77,246.84	10,930.01	2,991.56	1,270.86

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5122. S–17					
——. Mar. 1, 1921 (12)					
5309. Instruments and supplies, 1925	$13.35	$20.50			$38.86
5327. Recreation, 1925		116.25			
5401. Ordnance and ordnance stores, 1925	200.00	143.48			50.88
5501. Construction and Repair, 1925	371.08	1,893.38	$1,461.81		21.88
5601. Engineering, 1925	432.19	5,647.71	7,852.49	$32.79	1,474.80
5701. Pay, Navy, 1925		43,432.55			
5702. Provisions, 1925		6,972.86			
5704. Maintenance, Supplies and Accounts, 1925	71.77	245.94			
5708. Fuel and transportation, 1925		4,234.56			
Total current year appropriations	1,088.39	62,707.23	9,314.30	32.79	1,586.42
All prior year appropriations		1,172.92		1,860.00	
Appropriation purchases account material and industrial overhead	*17,180.45*	14,205.06	3,274.29		11.38
Grand total	*16,092.06*	78,085.21	12,588.59	1,892.79	1,597.80
5123. S–18					
——. Apr. 3, 1924 (12)					
5309. Instruments and supplies, 1925	1.35	157.37			
5327. Recreation, 1925		182.26			
5401. Ordnance and ordnance stores, 1925		237.01			
5501. Construction and Repair, 1925	69.70	1,851.87	11,679.95	6,105.95	
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	18,389.58				
5601. Engineering, 1925	473.19	3,672.71	4,542.37	178.32	
5701. Pay, Navy, 1925		44,840.34			
5702. Provisions, 1925		19,010.49			
5704. Maintenance, Supplies and Accounts, 1925	549.03	246.91			
5708. Fuel and transportation, 1925		6,366.56			
Total current year appropriations	19,482.85	76,565.52	16,222.32	6,284.27	
All prior year appropriations		3,712.94		14,956.62	
Appropriation purchases account material and industrial overhead	5,178.20	5,391.92	3,452.95	3,240.38	
Grand total	24,661.05	85,670.38	19,675.27	24,481.27	
5124. S–19					
——. Jan. 6, 1923 (12)					
5309. Instruments and supplies, 1925	187.82	16.18		96.06	.75
5327. Recreation, 1925		111.40			
5401. Ordnance and ordnance stores, 1925		132.90	9.23		160.57
5501. Construction and Repair, 1925	481.95	1,455.70	16,506.85	5,763.25	308.07
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	18,703.78				
5601. Engineering, 1925	373.70	2,508.64	15,506.20	1,956.13	54.58
5701. Pay, Navy, 1925		39,234.54			
5702. Provisions, 1925		4,930.10			
5704. Maintenance, Supplies and Accounts, 1925	383.12	194.09			
5708. Fuel and transportation, 1925		4,820.28			
Total current year appropriations	20,130.37	53,403.83	32,022.28	7,815.44	523.97
All prior year appropriations		4,256.72		383.66	
Appropriation purchases account material and industrial overhead	*238.67*	4,572.04	4,154.49	9,159.00	27.43
Grand total	19,891.70	62,232.59	36,176.77	17,358.10	551.40

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5125. S-20					
——. Nov. 22, 1922 (12)					
5309. Instruments and supplies, 1925	$117.91	$17.87		$79.62	
5327. Recreation, 1925		205.77			
5401. Ordnance and ordnance stores, 1925	24.79	142.27			$275.77
5501. Construction and Repair, 1925	2,072.83	1,607.75	$13,499.26	139,291.71	196.75
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	22,685.67				
5601. Engineering, 1925	209.20	2,643.35	13,960.43	10,377.27	
5701. Pay, Navy, 1925		49,047.57			
5702. Provisions, 1925		30,769.65			
5704. Maintenance, Supplies and Accounts, 1925	48.13	214.39			11.40
5708. Fuel and transportation, 1925		4,900.76			
Total current year appropriations	25,158.53	89,549.38	27,459.69	149,748.60	483.92
All prior year appropriations		5,115.08		246.01	
Appropriation purchases account material and industrial overhead	*2,945.27*	4,815.71	4,007.72	20,643.87	40.62
Grand total	22,213.26	99,480.17	31,467.41	170,638.48	524.54
5126. S-21					
——. Sept. 14, 1923 (12)					
5309. Instruments and supplies, 1925	481.80	189.03			8.50
5327. Recreation, 1925		53.00			
5401. Ordnance and ordnance stores, 1925		252.41			
5501. Construction and Repair, 1925	293.59	2,251.21	3,633.55	4,643.19	176.15
5601. Engineering, 1925	835.25	6,330.47	8,492.58	1,118.62	381.40
5701. Pay, Navy, 1925		54,642.23			
5702. Provisions, 1925		9,270.38			
5704. Maintenance, Supplies and Accounts, 1925	1,290.28	355.34			
5708. Fuel and transportation, 1925		7,602.44			
Total current year appropriations	2,900.92	80,946.51	12,126.13	5,761.81	566.05
All prior year appropriations		90.67	185.00	202.12	
Appropriation purchases account material and industrial overhead	*2,947.81*	10,443.17	574.20	407.31	1.82
Grand total	*46.89*	91,480.35	12,885.33	6,371.24	567.87
5127. S-22					
——. Oct. 30, 1923 (12)					
5309. Instruments and supplies, 1925	192.82	357.17			
5327. Recreation, 1925		157.00			
5401. Ordnance and ordnance stores, 1925		292.31			
5501. Construction and Repair, 1925	504.47	3,201.41	758.85	174.58	2.40
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	42,355.70				
5601. Engineering, 1925	898.50	6,771.77	3,885.52	151.63	367.40
5701. Pay, Navy, 1925		53,567.36			
5702. Provisions, 1925		9,096.35			
5704. Maintenance, Supplies and Accounts, 1925	1,238.58	442.05			
5708. Fuel and transportation, 1925		7,360.97			
Total current year appropriations	45,190.07	81,246.39	4,644.37	326.21	369.80
All prior year appropriations		6.11		103.44	
Appropriation purchases account material and industrial overhead	80,287.98	15,750.28	6.91	60.99	
Grand total	125,478.05	97,002.78	4,651.28	490.64	369.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5128. S-23					
——. Oct. 30, 1923 (12)					
5309. Instruments and supplies, 1925	$185.47	$213.20			$6.78
5327. Recreation, 1925		125.15			
5401. Ordnance and ordnance stores, 1925		194.43			
5501. Construction and Repair, 1925	124.19	1,836.00	$8,263.00	$727.19	378.64
5601. Engineering, 1925	500.50	4,840.54	10,198.84	466.66	742.46
5701. Pay, Navy, 1925		51,500.61			
5702. Provisions, 1925		8,522.94			
5704. Maintenance, Supplies and Accounts, 1925	1,259.72	260.00			
5708. Fuel and transportation, 1925		5,842.82			
Total current year appropriation	2,069.88	73,335.69	18,461.84	1,193.85	1,127.88
All prior year appropriations		*12.57*		229.08	
Appropriation purchases account material and industrial overhead	*2,773.69*	3,196.11	7,187.57	146.75	107.83
Grand total	*703.81*	76,519.23	25,649.41	1,569.68	1,235.71
5129. S-24					
——. Aug. 24, 1923 (12)					
5309. Instruments and supplies, 1925	6,600.89	265.01	43.58	22.00	
5327. Recreation, 1925		199.57			
5401. Ordnance and ordnance stores, 1925		211.29			9.07
5501. Construction and Repair, 1925	80.86	2,100.51	5,067.11	835.05	440.20
5510. Increase of the Navy (joint Construction and Repair, and Engineering allotment)	14,312.39				
5601. Engineering, 1925	131.99	4,397.68	6,450.16	1,111.49	958.45
5701. Pay, Navy, 1925		52,734.15			
5702. Provisions, 1925		8,052.41			
5704. Maintenance, Supplies, and Accounts, 1925	1,297.66	280.06			
5708. Fuel and transportation, 1925		7,864.21			
Total current year appropriations	22,423.79	76,104.89	11,560.85	1,968.54	1,407.72
All prior year appropriations		*157.63*		297.80	
Appropriation purchases account material and industrial overhead	*29,684.74*	5,434.85	1,021.63	194.68	298.92
Grand total	*7,260.95*	81,382.11	12,582.48	2,461.02	1,706.64
5130. S-25					
——. July 9, 1923 (12)					
5309. Instruments and supplies, 1925	265.65	552.27	37.80		
5327. Recreation, 1925		100.00			
5401. Ordnance and ordnance stores, 1925		181.64			26.96
5501. Construction and Repair, 1925	496.75	1,973.11	8,534.41	4,967.97	343.10
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	4,364.39				
5601. Engineering, 1925	334.30	5,021.76	3,635.97	1,229.10	4,506.69
5701. Pay, Navy, 1925		55,785.41			
5702. Provisions, 1925		8,698.62			
5704. Maintenance, Supplies and Accounts, 1925	1,476.42	278.07			
5708. Fuel and transportation, 1925		7,422.89			
Total current year appropriations	6,937.51	80,013.77	12,208.18	6,197.07	4,876.75
All prior year appropriations		*92.60*		256.81	
Appropriation purchases account material and industrial overhead	*54,328.74*	8,942.06	6,589.38	337.61	12.61
Grand total	*27,391.23*	88,863.23	18,797.56	6,791.49	4,889.36

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5131. S-26					
——. Oct. 15, 1923 (12)					
5101. Pay, miscellaneous, 1925		$2.00			
5309. Instruments and supplies, 1925	$334.79	151.01	$81.59		
5327. Recreation, 1925		194.00			
5401. Ordnance and ordnance stores, 1925		224.41			$18.58
5501. Construction and Repair, 1925	295.61	2,067.06	3,726.90	$1,388.13	337.97
5601. Engineering, 1925	527.25	5,641.28	4,319.45	458.84	2,033.39
5701. Pay, Navy, 1925		54,675.03			
5702. Provisions, 1925		7,638.93			
5704. Maintenance, Supplies, and Accounts, 1925	144.23	275.61			
5708. Fuel and transportation, 1925		7,182.35			
Total current year appropriations	1,301.88	78,051.68	8,127.94	1,846.97	2,389.94
All prior year appropriations		109.43		227.05	
Appropriation purchases account material and industrial overhead	*28,098.87*	24,427.33	3,079.46	218.10	53.13
Grand total	*26,796.99*	102,588.44	11,207.40	2,292.12	2,443.07
5132. S-27					
——. Jan. 22, 1924 (12)					
5309. Instruments and supplies, 1925	125.90	318.20			16.80
5327. Recreation, 1925		132.50			
5401. Ordnance and ordnance stores, 1925	10.22	163.30			16.08
5501. Construction and Repair, 1925	195.25	1,743.38	1,395.92	2,469.84	209.19
5601. Engineering, 1925	90.81	3,936.79	3,426.93	540.08	3,049.77
5701. Pay, Navy, 1925		51,376.09			
5702. Provisions, 1925		9,614.68			
5704. Maintenance, Supplies and Accounts, 1925	398.57	232.44			
5708. Fuel and transportation, 1925		8,194.20			
Total current year appropriations	820.75	75,711.58	4,822.85	3,009.92	3,291.84
All prior year appropriations				243.45	
Appropriation purchases account material and industrial overhead	*39,038.95*	14,559.92	255.06	304.71	23.17
Grand total	*38,218.20*	90,271.50	5,077.91	3,558.08	3,315.01
5133. S-28					
——. Dec. 13, 1923 (12)					
5309. Instruments and supplies, 1925	144.15	64.11			8.50
5327. Recreation, 1925		142.50			
5401. Ordnance and ordnance stores, 1925		265.41	9.65		
5501. Construction and Repair, 1925	435.27	2,677.94	4,415.23	1,290.07	233.04
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	304.31				
5601. Engineering, 1925	367.18	5,830.45	3,422.16	1,372.95	1,453.85
5701. Pay, Navy, 1925		56,997.49			
5702. Provisions, 1925		8,700.45			
5704. Maintenance, Supplies and Accounts, 1925	405.50	357.39			
5708. Fuel and transportation, 1925		8,569.65			
Total current year appropriations	1,656.41	83,605.39	7,847.04	2,663,02	1,695.39
All prior year appropriations				274.04	
Appropriation purchases account material and industrial overhead	*45,024.15*	7,739.01	870.41	394.49	115.80
Grand total	*43,367.74*	91,344.40	8,717.45	3,331.55	1,811.19

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5134. S-29					
——. May 22, 1924 (12)					
5309. Instrument and supplies, 1925	$119.15	$207.44			$23.92
5327. Recreation, 1925		71.75			
5401. Ordnance and ordnance stores, 1925		323.25			17.28
5501. Construction and Repair, 1925	15.89	3,213.39	$1,672.89	$11.20	653.31
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	30,888.46				
5601. Engineering, 1925	341.81	5,260.05	2,766.83	284.24	2,977.51
5701. Pay, Navy, 1925		53,698.35			
5702. Provisions, 1925		9,513.13			
5704. Maintenance, Supplies and Accounts, 1925	731.94	428.44			
5708. Fuel and transportation, 1925		6,176.03			
Total current year appropriations	32,097.25	78,891.83	4,439.72	295.44	3,672.02
All prior year appropriations		1,902.41	*48.18*	95.68	
Appropriation purchases account material and industrial overhead	*24,940.74*	1,747.30	549.62	37.90	403.68
Grand total	7,156.51	82,541.54	4,941.16	429.02	4,075.70
5135. S-30					
——. Oct. 29, 1920 (12)					
5309. Instruments and supplies, 1925	2,251.55	32.08			59.42
5327. Recreation, 1925		148.20			
5401. Ordnance and ordnance stores, 1925	12.11	240.49			276.63
5501. Construction and Repair, 1925	8,355.08	2,913.82	21,451.00	70,888.34	308.80
5601. Engineering, 1925	1,251.03	3,527.78	39,345.21	5,645.99	2,691.50
5701. Pay, Navy, 1925		60,861.67			
5702. Provisions, 1925		18,269.53			
5704. Maintenance, Supplies and Accounts, 1925	9.44	384.93			
5708. Fuel and transportation, 1925		2,598.01			
Total current year appropriations	11,879.21	88,976.51	60,796.21	76,534.33	3,336.35
All prior year appropriations				227.60	
Appropriation purchases account material and industrial overhead	13,155.17	5,784.98	8,296.25	11,079.71	236.39
Grand total	25,034.38	94,761.49	69,092.46	87,841.64	3,572.74
5136. S-31					
——. Mar. 8, 1923 (12)					
5309. Instruments and supplies, 1925	3,497.45	22.20			181.71
5327. Recreation, 1925		135.75			
5401. Ordnance and ordnance stores, 1925		188.00			353.67
5501. Construction and Repair, 1925	1,857.83	1,998.71	21,166.36	29,273.45	163.62
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	351.65				
5601. Engineering, 1925	713.48	4,142.49	28,506.44	2,538.20	1,660.36
5701. Pay, Navy, 1925		55,873.97			
5702. Provisions, 1925		3,392.18			
5704. Maintenance, Supplies and Accounts, 1925	100.36	266.49			15.25
5708. Fuel and transportation, 1925		3,271.58			
Total current year appropriations	6,520.77	69,291.37	49,672.80	31,811.65	2,374.61
All prior year appropriations				123.70	
Appropriation purchases account material and industrial overhead	22,657.85	10,628.29	8,731.84	2,301.35	289.17
Grand total	29,178.62	79,919.66	58,404.64	34,236.70	2,663.78

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5137. S–32					
——. Feb. 21, 1923 (12)					
5309. Instruments and supplies, 1925	$4,260.65	$31.88			$195.76
5327. Recreation, 1925		23.20			
5401. Ordnance and ordnance stores, 1925		288.89			125.16
5501. Construction and Repair, 1925	2,349.73	2,884.26	$19,436.87	$27,615.21	279.18
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	2,717.32				
5601. Engineering, 1925	1,135.81	4,499.60	36,276.74	2,573.22	1,110.67
5701. Pay, Navy, 1925		58,826.31			
5702. Provisions, 1925		5,951.56			
5704. Maintenance, Supplies and Accounts, 1925	234.18	382.63			
5708. Fuel and transportation, 1925		3,013.63			
Total current year appropriations	10,697.69	75,901.96	55,713.61	30,188.43	1,710.77
All prior year appropriations		62.22	15,000.00	147.63	
Appropriation purchases account material and industrial overhead	20,464.60	10,425.23	6,646.37	2,354.71	541.93
Grand total	31,162.29	86,389.41	77,359.98	32,690.77	2,252.70
5138. S–33					
——. Dec. 21, 1922 (12)					
5309. Instruments and supplies, 1925	3,339.15	14.76			185.70
5327. Recreation, 1925		26.02			
5401. Ordnance and ordnance stores, 1925		148.20			219.77
5501. Construction and Repair, 1925	7,206.68	1,337.88	20,751.13	29,464.91	308.64
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	*155.37*				
5601. Engineering, 1925	130.76	2,088.92	24,324.40	3,537.15	981.56
5701. Pay, Navy, 1925		59,111.68			
5702. Provisions, 1925		8,044.27			
5704. Maintenance, Supplies and Accounts, 1925	167.40	178.70			
5708. Fuel and transportation, 1925		1,332.01			
Total current year appropriations	10,688.62	72,282.44	45,075.53	33,002.06	1,695.67
All prior year appropriations				3,574.60	
Appropriation purchases account material and industrial overhead	9,136.83	24,144.26	8,830.41	3,082.77	137.85
Grand total	19,825.45	96,426.70	53,905.94	39,659.43	1,833.52
5139. S–34					
——. Apr. 23, 1923 (12)					
5144. Naval emergency fund	*153.55*				
5309. Instruments and supplies, 1925	3,416.32	28.95			113.70
5327. Recreation, 1925		107.50			
5401. Ordnance and ordnance stores, 1925		235.68			177.68
5501. Construction and Repair, 1925	2,282.10	2,614.80	47,620.12	30,396.66	676.40
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	*8.42*				
5601. Engineering, 1925	562.02	4,134.82	32,286.40	2,507.14	2,018.51
5701. Pay, Navy, 1925		56,622.54			
5702. Provisions, 1925		5,684.11			
5704. Maintenance, Supplies and Accounts, 1925	180.26	347.38			
5708. Fuel and transportation, 1925		3,447.88			
Total current year appropriations	6,278.73	73,223.66	79,906.52	32,903.80	2,986.29
All prior year appropriations		*10.81*		40.18	
Appropriation purchases account material and industrial overhead	*13,762.58*	45,150.83	10,619.17	4,833.39	492.51
Grand total	*7,483.85*	118,363.68	90,525.69	37,777.37	3,478.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5140. S-35					
——. May 7, 1923 (12)					
5309. Instruments and supplies, 1925	$3,321.71	$24.51			$160.62
5327. Recreation, 1925		84.50			
5401. Ordnance and ordnance stores, 1925		211.10			69.40
5501. Construction and Repair, 1925	1,381.18	2,211.12	$21,389.70	$10,163.99	516.06
5601. Engineering, 1925	359.20	3,827.54	32,119.83	1,682.24	1,135.83
5701. Pay, Navy, 1925		54,475.93			
5702. Provisions, 1925		5,871.70			
5704. Maintenance, Supplies and Accounts, 1925	121.14	293.98			
5708. Fuel and transportation, 1925		2,819.73			
Total current year appropriations	5,183.23	69,820.11	53,509.53	11,846.23	1,881.91
All prior year appropriations		3.66			
Appropriation purchases account material and industrial overhead	24,001.11	13,879.90	4,279.27	2,046.90	159.14
Grand total	29,184.34	83,703.67	57,788.80	13,893.13	2,041.05
5141. S-36					
——. Apr. 4, 1923 (12)					
5309. Instruments and supplies, 1925	4,123.07	39.33			106.69
5327. Recreation, 1925		173.45			
5401. Ordnance and ordnance stores, 1925	9.26	304.89			37.94
5501. Construction and Repair, 1925	5,070.37	3,541.22	5,764.40		571.58
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	917.57				
5601. Engineering, 1925	616.82	7,383.52	5,015.53		642.69
5701. Pay, Navy, 1925		57,645.47			
5702. Provisions, 1925		12,626.32			
5704. Maintenance, Supplies and Accounts, 1925	35.74	472.15			
5708. Fuel and transportation, 1925		4,949.66			
Total current year appropriations	10,772.83	87,136.01	10,779.93		1,358.90
All prior year appropriations		60.17			
Appropriation purchases account material and industrial overhead	6,825.36	8,913.06	10,126.50	9,583.90	496.34
Grand total	17,598.19	96,109.24	20,906.43	9,583.90	1,855.24
5142. S-37					
——. July 16, 1923 (12)					
5309. Instruments and supplies, 1925	3,850.88	26.60			23.13
5327. Recreation, 1925		191.73			
5401. Ordnance and ordnance stores, 1925		216.55			15.32
5501. Construction and Repair, 1925	4,732.46	2,400.51	7,306.26		449.73
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	7,712.58				
5601. Engineering, 1925	121.82	4,917.31	3,660.13		952.40
5701. Pay, Navy, 1925		56,352.24			
5702. Provisions, 1925		8,482.37			
5704. Maintenance, Supplies and Accounts, 1925	135.28	319.10			
5708. Fuel and transportation, 1925		4,966.08			
Total current year appropriations	16,553.02	77,872.49	10,966.39		1,440.58
All prior year appropriations		7.72			
Appropriation purchases account material and industrial overhead	*10,854.14*	22,645.73	10,699.13	7,557.95	149.00
Grand total	5,698.88	100,525.94	21,665.52	7,557.95	1,589.58

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5143. S-38					
——. May 11, 1923 (12)					
5309. Instruments and supplies, 1925	$3,865.45	$28.23			$28.91
5327. Recreation, 1925		131.25			
5401. Ordnance and ordnance stores, 1925		236.04			
5501. Construction and Repair, 1925	4,609.37	2,543.66	$7,194.50		614.88
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	8,710.52				
5601. Engineering, 1925	596.32	4,599.79	1,345.30		290.15
5701. Pay, Navy, 1925		56,907.80			
5702. Provisions, 1925		8,825.30			
5704. Maintenance, Supplies and Accounts, 1925	11.02	338.93			
5708. Fuel and transportation, 1925		5,293.74			
Total current year appropriations	17,792.68	78,904.74	8,539.80		933.94
All prior year appropriations		37.16			
Appropriation purchases account material and industrial overhead	*16,839.21*	6,433.81	10,588.58	$10,917.46	33.52
Grand total	953.47	85,375.71	19,128.38	10,917.46	967.46
5144. S-39					
——. Sept. 14, 1923 (12)					
5309. Instruments and supplies, 1925	3,696.35	25.37			52.27
5327. Recreation, 1925		144.15			
5401. Ordnance and ordnance stores, 1925	13.80	192.61			123.48
5501. Construction and Repair, 1925	5,071.28	2,307.38	4,770.77		732.54
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	1,674.86				
5601. Engineering, 1925	2,063.39	5,579.47	2,453.31		696.64
5701. Pay, Navy, 1925		54,465.23			
5702. Provisions, 1925		8,750.80			
5704. Maintenance, Supplies and Accounts, 1925	125.22	304.30			
5708. Fuel and transportation, 1925		5,117.04			
Total current year appropriations	12,644.90	76,886.35	7,224.08		1,604.93
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*16,497.41*	5,801.17	9,985.51	9,313.82	59.3
Grand total	*3,852.51*	82,687.52	17,209.59	9,313.82	1,664.29
5145. S-40					
——. Nov. 20, 1923 (12)					
5309. Instruments and supplies, 1925	2,907.50	32.28			95.10
5327. Recreation, 1925		168.62			
5401. Ordnance and ordnance stores, 1925		249.58			23.49
5501. Construction and Repair, 1925	4,795.66	2,904.91	6,233.44		460.71
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	495.83				
5601. Engineering, 1925	8,201.28	5,182.77	2,340.19		495.57
5701. Pay, Navy, 1925		58,411.32			
5702. Provisions, 1925		10,860.90			
5704. Maintenance, Supplies and Accounts, 1925	66.52	387.32			
5708. Fuel and transportation, 1925		6,065.54			
Total current year appropriations	16,466.79	84,263.24	8,573.63		1,074.87
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*26,138.81*	20,495.08	10,082.70	7,598.26	64.31
Grand total	*9,672.02*	104,758.32	18,656.33	7,598.26	1,139.18

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5146. S-41					
——. Jan. 15, 1924 (12)					
5309. Instruments and supplies, 1925	$3,101.46	$25.63			$0.24
5327. Recreation, 1925		129.86			
5401. Ordnance and ordnance stores, 1925	4.63	206.19			8.00
5501. Construction and Repair, 1925	4,816.50	2,312.71	$7,303.50		587.38
5601. Engineering, 1925	6,502.78	3,921.21	2,397.51		354.86
5701. Pay, Navy, 1925		56,231.86			
5702. Provisions, 1925		8,667.98			
5704. Maintenance, Supplies and Accounts, 1925	11.96	307.61			
5708. Fuel and transportation, 1925		2,421.67			
Total current year appropriations	14,437.33	74,224.72	9,701.01		950.48
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*12,462.72*	6,118.57	10,484.46	$16,894.65	40.35
Grand total	1,974.61	80,343.29	20,185.47	16,894.65	990.83
5153. S-42					
——. —— (12)					
5309. Instruments and supplies, 1925		75.40			
5327. Recreation, 1925		78.00			
5401. Ordnance and ordnance stores, 1925		410.31			
5450. Increase of the Navy, ordnance	22.28				
5501. Construction and Repair, 1925		3,423.59	146.10		
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	37,597.32				
5601. Engineering, 1925	43.32	6,716.89	987.96		
5701. Pay, Navy, 1925		33,626.35			
5702. Provisions, 1925		5,191.38			
5704. Maintenance, Supplies and Accounts, 1925		703.39			
5708. Fuel and transportation, 1925		4,919.80			
Total current year appropriations	37,662.92	55,145.11	1,134.06		
All prior year appropriations					
Appropriation purchases account material and industrial overhead	72,323.90	3,913.06	149.23		39.50
Grand total	109,986.82	59,058.17	1,283.29		39.50
5154. S-43					
——. —— (12)					
5309. Instruments and supplies, 1925	7.85	181.12			11.25
5327. Recreation, 1925		100.00			
5401. Ordnance and ordnance stores, 1925		192.10	11.10		
5450. Increase of the Navy, ordnance	13.08				
5501. Construction and Repair	13.82	3,549.37	550.27		54.34
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	46,376.16				
5601. Engineering, 1925	88.75	4,766.67	228.82		7.21
5701. Pay, Navy, 1925		27,651.97			
5702. Provisions, 1925		4,038.42			
5704. Maintenance, Supplies and Accounts, 1925	289.56	645.12			
5708. Fuel and transportation, 1925		5,204.35			
Total current year appropriations	46,789.22	46,329.12	790.19		72.80
All prior year appropriations					
Appropriation purchases account material and industrial overhead	67,105.82	10,475.92	117.49		44.89
Grand total	113,895.04	56,805.04	907.68		117.69

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5155. S-44					
——. —— (12)					
5309. Instruments and supplies, 1925	$4.57	$193.93	$46.44		
5401. Ordnance and ordnance stores, 1925		78.48	10.44		
5501. Construction and Repair, 1925		3,168.21	20,070.48		
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment	34,453.35				
5601. Engineering, 1925	9.59	4,112.89	470.00	$113.87	$11.53
5701. Pay, Navy, 1925		20,653.73			
5702. Provisions, 1925		2,392.02			
5704. Maintenance, Supplies and Accounts, 1925		194.77			
5708. Fuel and transportation, 1925		1,082.04			
Total current year appropriations	34,467.51	31,876.07	20,597.36	113.87	11.53
All prior year appropriations					
Appropriation purchases account material and industrial overhead	15,411.35	3,727.75	1,705.08	6.22	40.61
Grand total	49,878.86	35,603.82	22,302.44	120.09	52.14
5156. S-45					
——. —— (12)					
5309. Instruments and supplies, 1925		208.67			*15.36*
5401. Ordnance and ordnance stores, 1925		65.56			
5450. Increase of the Navy, ordnance	4.00				
5501. Construction and Repair, 1925	9.64	2,977.44	815.17		
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	35,473.55				
5601. Engineering, 1925		4,173.15	631.88		
5701. Pay, Navy, 1925		12,408.55			
5702. Provisions, 1925		1,852.55			
5704. Maintenance, Supplies and Accounts, 1925		179.60			
5708. Fuel and transportation, 1925		1,685.28			
Total current year appropriations	35,487.19	23,550.80	1,447.05		*15.36*
All prior year appropriations					
Appropriation purchases account material and industrial overhead	72,158.25	3,724.14	121.94		38.22
Grand total	107,645.44	27,274.94	1,568.99		22.86
5157. S-46					
——. —— (12)					
5309. Instruments and supplies, 1925		35.29			15.36
5401. Ordnance and ordnance stores, 1925		34.39			
5450. Increase of the Navy, ordnance	4.00				
5501. Construction and Repair, 1925		2,511.73			
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	44,029.96				
5601. Engineering, 1925		2,678.29	423.29		
5701. Pay, Navy, 1925		3,575.42			
5702. Provisions, 1925		50.15			
5704. Maintenance, Supplies and Accounts, 1925		124.86			
5708. Fuel and transportation, 1925		249.83			
Total current year appropriations	44,033.96	9,259.96	423.29		15.36
All prior year appropriations					
Appropriation purchases account material and industrial overhead	2,088.98	163.01	35.72		40.78
Grand total	46,122.94	9,422.97	459.01		56.14

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5159. S-48					
——. Oct. 14, 1922 (12)					
5309. Instruments and supplies, 1925	$6.25	$694.42	$188.71		$15.36
5327. Recreation, 1925		86.62			
5401. Ordnance and ordnance stores, 1925		185.99			
5501. Construction and Repair, 1925	28.50	1,746.67	21,102.11	$2,297.12	110.42
5601. Engineering, 1925	842.91	3,961.90	9,190.27	140.66	27.88
5701. Pay, Navy, 1925		43,579.22			
5702. Provisions, 1925		4,088.50			
5704. Maintenance, Supplies and Accounts, 1925	146.82	232.88			
5708. Fuel and transportation, 1925		8,340.40			
Total current year appropriations	1,024.48	62,916.60	30,481.09	2,437.78	153.66
All prior year appropriations		172.82			
Appropriation purchases account material and industrial overhead	*117,785.57*	9,670.11	5,901.50	303.00	13.87
Grand total	*116,761.09*	72,759.53	36,382.59	2,740.78	167.53
5160. S-49					
—— June 5, 1922 (12)					
5309. Instruments and supplies, 1925	12.91	162.75	138.76		
5327. Recreation, 1925		91.00			
5401. Ordnance and ordnance stores, 1925		172.09			
5501. Construction and Repair, 1925	179.17	1,686.90	20,092.46	2,081.87	7.44
5601. Engineering, 1925	848.60	4,215.82	7,723.05	75.66	17.28
5701. Pay, Navy, 1925		45,430.09			
5702. Provisions, 1925		8,188.60			
5704. Maintenance, Supplies and Accounts, 1925		224.92			
5708. Fuel and transportation, 1925		5,734.96			
Total current year appropriations	1,040.68	65,907.13	27,954.27	2,157.53	24.72
All prior year appropriations		*1.24*		132.00	
Appropriation purchases account material and industrial overhead	*59,461.39*	10,052.38	4,915.83	259.87	1.44
Grand total	*58,420.71*	75,958.27	32,870.10	2,549.40	26.16
5161. S-50					
——. May 20, 1922 (12)					
5309. Instruments and supplies, 1925	485.38	20.46	7.75		183.78
5327. Recreation, 1925		88.20			
5401. Ordnance and ordnance stores, 1925		161.30	134.27		
5501. Construction and Repair, 1925	952.43	1,841.19	1,955.77	4,460.35	127.17
5601. Engineering, 1925	387.58	3,546.79	7,374.18	393.84	124.69
5605. Engineering, 1925-26				2,526.29	
5701. Pay, Navy, 1925		46,388.76			
5702. Provisions, 1925		1,090.66			
5704. Maintenance, Supplies, and Accounts, 1925	73.30	245.49			
5708. Fuel and transportation, 1925		3,853.11			
Total current year appropriations	1,898.69	57,235.96	9,471.97	7,380.48	435.64
All prior year appropriations	*22.64*	50.00	42.07	16,748.08	
Appropriation purchases account material and industrial overhead	*10,097.86*	7,181.86	963.07	15,477.47	39.14
Grand total	*8,221.81*	64,467.82	10,477.11	39,606.03	474.78

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, FIRST LINE—continued					
5162. S-51					
——. June 24, 1922 (12)					
5309. Instruments and supplies, 1925	$29.84	$164.06	$8.28		
5327. Recreation, 1925		71.13			
5401. Ordnance and ordnance stores, 1925		164.92			
5501. Construction and Repair, 1925	365.14	1,805.59	20,648.29	$4,921.02	$297.02
5601. Engineering, 1925	795.68	4,556.02	12,768.00	272.69	108.09
5701. Pay, Navy, 1925		45,695.87			
5702. Provisions, 1925		4,627.54			
5704. Maintenance, Supplies and Accounts, 1925	8.70	240.76			
5708. Fuel and transportation, 1925		4,244.58			
Total current year appropriations	1,199.36	61,570.47	33,424.57	5,193.71	405.11
All prior year appropriations		23.10			
Appropriation purchases account material and industrial overhead	*42,311.99*	5,005.81	6,967.31	528.25	35.52
Grand total	*41,112.63*	66,599.38	40,391.88	5,721.96	440.63
SUBMARINES, SECOND LINE					
5053. N-1					
——. ——(12)					
5309. Instruments and supplies, 1925	1.10	27.39			
5327. Recreation, 1925		31.88			
5041. Ordnance and ordnance stores, 1925		191.74			
5501. Construction and Repair, 1925	40.87	2,859.30	4.90		
5601. Engineering, 1925	533.20	2,641.61	56.36		
5701. Pay, Navy, 1925		25,167.72			
5702. Provisions, 1925		2,487.02			
5704. Maintenance, Supplies and Accounts, 1925		328.70			
5708. Fuel and transportation, 1925		6,801.23			
Total current year appropriations	575.17	40,536.59	61.26		
All prior year appropriations					
Appropriations purchases account material and industrial overhead	*5,652.30*	6,217.57			
Grand total	*5,077.13*	46,754.16	61.26		
5054. N-2					
——. Sept. 26, 1917 (12)					
5309. Instruments and supplies, 1925	8.70	17.91			
5327. Recreation, 1925		70.00			
5401. Ordnance and ordnance stores, 1925		125.41			
5501. Construction and Repair, 1925	66.80	1,612.36	319.90		
5601. Engineering, 1925	2,138.82	1,955.13	45.71		4.70
5701. Pay, Navy, 1925		26,365.10			
5702. Provisions, 1925		2,805.37			
5704. Maintenance, Supplies and Accounts, 1925	6.78	214.99			
5708. Fuel and transportation, 1925		7,071.76			
Total current year appropriations	2,211.10	40,238.03	365.61		4.70
All prior year appropriations		4.62			
Appropriation purchases account material and industrial overhead	*2,925.18*	16,397.69			
Grand total	*714.08*	56,640.34	365.61		4.70

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5055. N-3					
——. Sept. 26, 1917 (12)					
5309. Instruments and supplies, 1925	$11.13	$23.92			
5327. Recreation, 1925		60.00			
5401. Ordnance and ordnance stores, 1925		167.48			
5501. Construction and Repair, 1925	410.66	2,547.09	$4.90		
5601. Engineering, 1925	1,953.46	2,333.67			
5701. Pay, Navy, 1925		26,467.57			
5702. Provisions, 1925		2,738.63			
5704. Maintenance, Supplies and Accounts, 1925	27.12	287.07			
5708. Fuel and transportation, 1925		5,988.95			
Total current year appropriations	2,402.37	40,614.38	4.90		
All prior year appropriations		113.75			
Appropriation purchases account material and industrial overhead	*5,841.75*	3,403.90		$1,400.23	
Grand total	*3,439.38*	44,132.03	4.90	1,400.23	
5062. O-1					
——. Nov. 5, 1918 (12)					
5309. Instruments and supplies, 1925	1,319.88	30.86			
5327. Recreation, 1925		178.75			
5401. Ordnance and ordnance sotres, 1925		215.94			
5501. Construction and Repair, 1925	657.40	2,776.40	8,821.89		
5601. Engineering, 1925	606.67	3,898.37	21,900.05		$1,211.53
5701. Pay, Navy, 1925		50,840.54			
5702. Provisions, 1925		5,696.34			
5704. Maintenance, Supplies and Accounts	96.14	371.78			
5708. Fuel and transportation, 1925		2,893.19			
Total current year appropriations	2,680.09	66,902.17	30,721.94		1,211.53
All prior year appropriations		568.22			
Appropriation purchases account material and industrial overhead	*9,353.13*	7,164.41	3.48		
Grand total	*6,673.04*	74,634.80	30,725.42		1,211.53
5063. O-2					
——. Oct. 19, 1918 (12)					
5309. Instruments and supplies, 1925	5,000.35	21.99			
5327. Recreation, 1925		159.33			
5401. Ordnance and ordnance stores, 1925		146.97			19.20
5501. Construction and Repair, 1925	51.10	1,889.59	7,520.64		
5601. Engineering, 1925	2,752.23	3,194.69	20,828.23		434.20
5701. Pay, Navy, 1925		38,147.33			
5702. Provisions, 1925		4,987.63			
5704. Maintenance, Supplies and Accounts, 1925		254.55			
5708. Fuel and transportation, 1925		2,906.33			
Total current year appropriations	7,803.68	51,708.41	28,348.87		453.40
All prior year appriopriations		287.44			
Appropriation purchases account material and industrial overhead	902.37	3,653.52			
Grand total	8,706.05	55,649.37	28,348.87		453.40

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5064. O-3					
——. June 13, 1918 (12)					
5309. Instruments and supplies, 1925	$5,000.00	$24.76			$22.55
5327. Recreation, 1925		148.77			
5401. Ordnance and ordnance stores, 1925	265.66	127.70			
5501. Construction and Repair, 1925	259.02	2,228.96	$12,205.74	$16.45	
5601. Engineering, 1925	1,358.63	3,434.12	26,196.09	315.08	474.46
5701. Pay, Navy, 1925		36,475.54			
5702. Provisions, 1925		6,994.69			
5704. Maintenance, Supplies and Accounts, 1925	16.30	297.19			
5708. Fuel and transportation, 1925		2,886.05			
Total current year appropriations	6,899.61	52,617.78	38,401.83	331.53	497.01
All prior year appropriations		262.33			
Appropriation purchases account material and industrial overhead	*2,068.10*	2,905.54			
Grand total	4,831.51	55,785.65	38,401.83	331.53	497.01
5065. O-4					
——. May 28, 1918 (12)					
5309. Instruments and supplies, 1925	108.01	26.56			
5327. Recreation, 1925		118.13			
5401. Ordnance and ordnance stores, 1925		185.86			
5501. Construction and Repair, 1925	716.98	2,389.71	610.27		
5601. Engineering, 1925	623.16	4,168.09	18,563.14		141.59
5701. Pay, Navy, 1925		38,267.67			
5702. Provisions, 1925		6,448.99			
5704. Maintenance, Supplies and Accounts, 1925	11.94	320.21			
5708. Fuel and transportation, 1925		3,610.50			
Total current year appropriations	1,460.09	55,535.72	19,173.41		141.59
All prior year appropriations		120.69	10,538.65	9,019.40	
Appropriation purchases account material and industrial overhead	*15,961.32*	16,173.96			
Grand total	*14,501.23*	71,830.37	29,712.06	9,019.40	141.59
5067. O-6					
——. June 12, 1918 (12)					
5309. Instruments and supplies, 1925	3,078.20	38.76			
5327. Recreation, 1925		171.64			
5401. Ordnance and ordnance stores, 1925		253.82			
5501. Construction and Repair, 1925	1,479.84	3,263.50	1,522.72		
5601. Engineering, 1925	1,710.46	4,856.49	4,410.06		150.24
5701. Pay, Navy, 1925		39,027.39			
5702. Provisions, 1925		6,553.88			
5704. Maintenance, Supplies and Accounts, 1925	22.56	435.93			
5708. Fuel and transportation, 1925		3,258.02			
Total current year appropriations	6,291.06	57,859.43	5,932.78		150.24
All prior year appropriations		885.59	17,854.72	282.70	
Appropriation purchases account material and industrial overhead	*5,460.33*	4,876.57		740.00	
Grand total	830.73	63,621.59	23,787.50	1,022.70	150.24

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5068. O-7					
——. July 4, 1918 (12)					
5309. Instruments and supplies, 1925	$3,749.71	$24.81			
5327. Recreation, 1925		148.50			
5401. Ordnance and ordnance stores, 1925		156.13			
5501. Construction and Repair, 1925	183.41	2,188.75	$10,780.35		$3.00
5601. Engineering, 1925	1,575.54	3,940.90	9,002.74		455.65
5701. Pay, Navy, 1925		38,366.50			
5702. Provisions, 1925		6,243.19			
5704. Maintenance, Supplies and Accounts, 1925	9.72	290.88			
5708. Fuel and transportation, 1925		3,353.55			
Total current year appropriations	5,518.38	54,713.21	19,783.09		458.65
All prior year appropriations		433.00	20.12		
Appropriation purchases account material and industrial overhead	*11,947.84*	16,295.05			10.70
Grand total	*6,429.46*	71,441.26	19,803.21		469.35
5069. O-8					
——. July 11, 1918 (12)					
5309. Instruments and supplies, 1925	107.10	49.97			
5327. Recreation, 1925		197.10			
5401. Ordnance and ordnance stores, 1925	110.00	195.80			
5501. Construction and Repair, 1925	586.79	2,517.42	10,939.44		
5601. Engineering, 1925	554.46	3,895.89	34,986.15		633.16
5701. Pay, Navy, 1925		39,248.56			
5702. Provisions, 1925		4,923.96			
5704. Maintenance, Supplies and Accounts, 1925	77.04	337.24			
5708. Fuel and transportation, 1925		3,275.34			
Total current year appropriations	1,435.39	54,641.28	45,925.59		633.16
All prior year appropriations		1,974.34			
Appropriation purchases account material and industrial overhead	*3,345.02*	3,551.26	8.70		
Grand total	*1,909.63*	60,166.88	45,934.29		633.16
5070. O-9					
——. July 27, 1918 (12)					
5309. Instruments and supplies, 1925	109.60	24.36			
5327. Recreation, 1925		192.90			
5401. Ordnance and ordnance stores, 1925		170.49			
5501. Construction and Repair, 1925	92.46	2,191.95	12,503.27		
5601. Engineering, 1925	236.49	4,041.19	22,996.92		554.37
5701. Pay, Navy, 1925		34,805.96			
5702. Provisions, 1925		6,960.17			
5704. Maintenance, Supplies and Accounts, 1925		318.67			
5708. Fuel and transportation, 1925		3,339.22			
Total current year appropriations	438.55	52,044.91	35,500.19		554.37
All prior year appropriations		310.51			
Appropriation purchases account material and industrial overhead	*956.36*	5,445.21			
Grand total	*517.81*	57,800.63	35,500.19		554.37

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5071. O–10					
——. Aug. 17, 1918 (12)					
5309. Instruments and supplies, 1925	$5,002.80	$62.41	----------	----------	$8.40
5327. Recreation, 1925	----------	100.91	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	130.60	----------	----------	----------
5501. Construction and Repair, 1925	1,689.55	1,679.11	$9,817.60	----------	----------
5601. Engineering, 1925	345.26	3,933.28	15,159.19	----------	296.19
5701. Pay, Navy, 1925	----------	35,460.09	----------	----------	----------
5702. Provisions, 1925	----------	5,009.79	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	225.47	----------	----------	----------
5708. Fuel and transportation, 1925	----------	2,956.35	----------	----------	----------
Total current year appropriations	7,037.61	49,558.01	24,976.79	----------	304.59
All prior year appropriations	----------	196.34	283.37	----------	----------
Appropriation purchases account material and industrial overhead	*2,753.33*	6,657.04	----------	$740.00	----------
Grand total	4,284.28	56,411.39	25,260.16	740.00	304.59
5078. R–1					
——. Dec. 16, 1918 (12)					
5309. Instruments and supplies, 1925	144.39	15.10	----------	----------	71.09
5401. Ordnance and ordnance stores, 1925	----------	126.82	----------	----------	212.47
5501. Construction and Repair, 1925	527.57	1,359.40	45,011.96	6,639.52	----------
5601. Engineering, 1925	1,666.04	1,973.13	15,668.06	1,413.63	133.85
5701. Pay, Navy, 1925	----------	31,423.35	----------	----------	----------
5702. Provisions, 1925	----------	5,283.97	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	38.10	181.24	----------	----------	----------
5708. Fuel and transportation, 1925	----------	2,115.70	----------	----------	----------
Total current year appropriations	2,376.10	42,478.71	60,680.02	8,053.15	417.41
All prior year appropriations	----------	47.73	----------	1,316.39	----------
Appropriation purchases account material and industrial overhead	*7,972.43*	7,556.81	37,807.73	6,038.94	166.02
Grand total	*5,596.33*	50,083.25	98,487.75	15,408.48	583.43
5079. R–2					
——. Jan. 24, 1919 (12)					
5309. Instruments and supplies, 1925	48.58	26.45	----------	----------	36.00
5401. Ordnance and ordnance stores, 1925	----------	250.64	----------	----------	630.72
5501. Construction and Repair, 1925	647.49	2,379.91	6,836.56	666.28	----------
5601. Engineering, 1925	584.81	4,208.80	13,904.57	225.08	41.83
5701. Pay, Navy, 1925	----------	45,576.12	----------	----------	----------
5702. Provisions, 1925	----------	5,837.63	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	63.00	317.32	----------	----------	20.40
5708. Fuel and transportation, 1925	----------	3,990.51	----------	----------	----------
Total current year appropriations	1,343.88	62,587.38	20,741.13	891.36	728.95
All prior year appropriations	----------	170.39	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*8,769.48*	3,681.69	5,606.21	470.03	358.91
Grand total	*7,425.60*	66,439.46	26,347.34	2,514.39	1,087.86
5080. R–3					
——. Apr. 17, 1919 (12)					
5309. Instruments and supplies, 1925	137.82	22.38	----------	----------	13.52
5401. Ordnance and ordnance stores, 1925	----------	235.89	----------	----------	514.57
5501. Construction and Repair, 1925	688.54	2,013.94	7,333.73	4,949.81	----------
5601. Engineering, 1925	771.12	3,358.34	8,652.59	----------	----------
5701. Pay, Navy, 1925	----------	35,970.01	----------	----------	----------
5702. Provisions, 1925	----------	6,172.06	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5080. R-3—Continued					
5704. Maintenance, Supplies and Accounts, 1925	$13.97	$268.54			
5708. Fuel and transportation, 1925		3,251.78			
Total current year appropriations	1,611.45	51,292.94	$15,986.32	$4,949.81	$528.09
All prior year appropriations		67.72		1,153.00	
Appropriation purchases account material and industrial overhead	*4,847.99*	3,798.41	5,649.86	2,885.10	281.31
Grand total	*3,236.54*	55,159.07	21,636.18	8,987.91	809.40
5081. R-4					
——. Mar. 28, 1919 (12)					
5309. Instruments and supplies, 1925	125.42	25.55			28.24
5401. Ordnance and ordnance stores, 1925		277.78			695.87
5501. Construction and Repair, 1925	405.35	2,299.97	8,402.89	5,028.36	
5601. Engineering, 1925	668.32	3,221.36	4,773.57		
5701. Pay, Navy, 1925		30,710.25			
5702. Provisions, 1925		5,633.97			
5704. Maintenance, Supplies and Accounts, 1925	15.93	306.66			
5708. Fuel and transportation, 1925		3,801.07			
Total current year appropriations	1,215.02	46,276.61	13,176.46	5,028.36	724.11
All prior year appropriations		47.71		1,153.00	
Appropriation purchases account material and industrial overhead	*1,881.10*	1,976.55	4,619.91	1,560.05	364.51
Grand total	*666.08*	48,300.87	17,796.37	7,741.41	1,088.62
5082. R-5					
——. Apr. 15, 1919 (12)					
5309. Instruments and supplies, 1925	24.71	23.89			44.22
5401. Ordnance and ordnance stores, 1925		274.13			30.73
5501. Construction and Repair, 1925	252.85	2,149.12	5,926.17	920.80	
5601. Engineering, 1925	948.68	3,560.23	13,944.65	*74.50*	
5701. Pay, Navy, 1925		32,419.18			
5702. Provisions, 1925		5,224.50			
5704. Maintenance, Supplies and Accounts, 1925		286.55			16.80
5708. Fuel and transportation, 1925		4,026.60			
Total current year appropriations	1,226.24	47,964.20	19,870.82	846.30	91.75
All prior year appropriations		47.71		1,153.00	12.00
Appropriation purchases account material and industrial overhead	2,432.85	3,860.69	8,187.50	2,752.81	31.82
Grand total	3,659.09	51,872.60	28,058.32	4,752.11	135.57
5083. R-6					
——. May 1, 1919 (12)					
5309. Instruments and supplies, 1925	36.92	21.27	6.12		21.49
5401. Ordnance and ordnance stores, 1925		204.77			1,175.83
5501. Construction and Repair, 1925	464.66	1,914.76	5,684.74	514.68	
5601. Engineering, 1925	577.45	3,741.35	5,289.95	263.50	147.96
5701. Pay, Navy, 1925		30,897.39			
5702. Provisions, 1925		5,654.87			
5704. Maintenance, Supplies and Accounts, 1925	12.94	255.31			43.30
5708. Fuel and transportation, 1925		3,056.73			
Total current year appropriations	1,091.97	45,746.45	10,980.81	778.18	1,388.58
All prior year appropriations		49.98		1,153.00	
Appropriation purchases account material and industrial overhead	*8,169.72*	8,516.65	3,941.42	357.85	751.77
Grand total	*7,077.75*	54,313.08	14,922.23	2,289.03	2,140.35

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5084. R-7					
——. June 12, 1919 (12)					
5309. Instruments and supplies, 1925	$10.63	$26.42			$7.50
5401. Ordnance and ordnance stores, 1925		250.60			635.50
5501. Construction and Repair, 1925	4,436.50	2,377.39	$7,070.65	$592.07	3.52
5601. Engineering, 1925	1,415.37	4,066.39	13,504.69		98.79
5701. Pay, Navy, 1925		30,517.45			
5702. Provisions, 1925		5,214.41			
5704. Maintenance, Supplies and Accounts, 1925	36.81	316.99			
5708. Fuel and transportation, 1925		4,141.27			
Total current year appropriations	5,899.31	46,910.92	20,575.34	592.07	745.31
All prior year appropriations		47.70		1,153.00	
Appropriation purchases account material and industrial overhead	*3,547.05*	3,746.15	4,722.78	86.51	381.63
Grand total	2,352.26	50,704.77	25,298.12	1,831.58	1,126.94
5085. R-8					
——. July 21, 1919 (12)					
5309. Instruments and supplies, 1925		18.37			43.90
5401. Ordnance and ordnance stores, 1925		182.58			593.31
5501. Construction and Repair, 1925	312.49	1,653.25	7,482.44	379.17	
5601. Engineering, 1925	1,289.80	2,869.44	11,357.20	149.72	
5701. Pay, Navy, 1925		31,584.86			
5702. Provisions, 1925		5,706.20			
5704. Maintenance, Supplies and Accounts, 1925		220.43			
5708. Fuel and transportation, 1925		3,487.33			
Total current year appropriations	1,602.29	45,722.46	18,839.64	528.89	637.21
All prior year appropriations		23.55		1,153.00	
Appropriation purchases account material and industrial overhead	*2,562.07*	3,014.75	2,266.93	138.15	421.12
Grand total	*959.78*	48,760.76	21,106.57	1,820.04	1,058.33
5086. R-9					
——. July 30, 1919 (12)					
5309. Instruments and supplies, 1925	5.95	141.80			59.05
5401. Ordnance and ordnance stores, 1925		278.01			662.48
5501. Construction and Repair, 1925	4,336.83	2,394.46	6,876.52	414.32	
5601. Engineering, 1925	193.86	4,982.25	10,923.21	126.78	181.10
5701. Pay, Navy, 1925		35,814.40			
5702. Provisions, 1925		5,598.90			
5704. Maintenance, Supplies, and Accounts, 1925		319.24			
5708. Fuel and transportation, 1925		3,840.63			
Total current year appropriations	4,536.64	53,369.69	17,799.73	541.10	902.63
All prior year appropriations	826.38	3,051.29			
Appropriation purchases account material and industrial overhead	*2,927.58*	4,644.67	4,765.16	936,59	406.82
Grand total	2,435.44	61,065.65	22,564.89	1,477.69	1,309.45
5087. R-10					
——. Aug. 20, 1919 (12)					
5309. Instruments and supplies, 1925	16.35	22.92			10.69
5401. Ordnance and ordnance stores, 1925		258.30			433.98
5501. Construction and Repair, 1925	391.92	2,061.92	5,245.82	625.65	
5601. Engineering, 1925	708.04	3,781.50	5,895.85		
5701. Pay, Navy, 1925		34,925.02			
5702. Provisions, 1925		5,432.20			
5704. Maintenance, Supplies, and Accounts, 1925	15.87	274.93			19.71
5708. Fuel and transportation, 1925		3,992.13			
Total current year appropriations	1,132.18	50,748.92	11,141.67	625.65	464.38

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5087. R-10—Continued					
All prior year appropriations	----------	$71.85	----------	$1,153.00	----------
Appropriation purchases account material and industrial overhead	*$2,344.70*	3,501.65	$3,531.16	94.54	$305.74
Grand total	*1,212.52*	54,322.42	14,672.83	1,873.19	770.12
5088. R-11					
——. Sept. 5, 1919 (12)					
5309. Instruments and supplies, 1925	54.35	21.34	----------	----------	28.68
5401. Ordnance and ordnance stores, 1925	----------	225.71	----------	----------	714.02
5501. Construction and Repair, 1925	354.57	1,920.26	9,656.49	1,617.45	----------
5601. Engineering, 1925	307.42	2,947.08	7,777.90	675.05	----------
5701. Pay, Navy, 1925	----------	33,324.52	----------	----------	----------
5702. Provisions, 1925	----------	5,513.37	----------	----------	----------
5704. Maintenance, Supplies, and Accounts, 1925	37.17	256.02	----------	----------	12.50
5708. Fuel and transportation, 1925	----------	3,222.24	----------	----------	----------
Total current year appropriations	753.51	47,430.54	17,434.39	2,292.50	755.20
All prior year appropriations	----------	23.55	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*2,077.72*	2,429.32	8,214.09	2,783.87	374.21
Grand total	*1,324.21*	49,883.41	25,648.48	6,229.37	1,129.41
5089. R-12					
——. Sept. 23, 1919 (12)					
5309. Instruments and supplies, 1925	1.35	20.76	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	230.53	----------	----------	1,380.11
5501. Construction and Repair, 1925	669.05	1,867.67	8,237.17	737.33	----------
5601. Engineering, 1925	1,394.17	2,962.90	4,451.94	1,358.53	63.21
5701. Pay, Navy, 1925	----------	32,452.67	----------	----------	----------
5702. Provisions, 1925	----------	5,412.60	----------	----------	----------
5704. Maintenance, Supplies, and Accounts, 1925	19.40	249.04	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,531.70	----------	----------	----------
Total current year appropriations	2,083.97	46,727.87	12,689.11	2,095.86	1,443.32
All prior year appropriations	----------	23.55	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*2,296.91*	7,699.73	6,678.93	2,213.05	699.30
Grand total	*212.94*	54,451.15	19,368.04	5,461.91	2,142.62
5090. R-13					
——. Oct. 17, 1919 (12)					
5309. Instruments and supplies, 1925	221.03	25.11	----------	----------	68.96
5401. Ordnance and ordnance stores, 1925	----------	243.16	----------	----------	363.57
5501. Construction and Repair, 1925	853.72	2,260.44	14,308.39	10,011.98	----------
5601. Engineering, 1925	1,204.18	3,274.04	6,056.96	2,994.26	----------
5701. Pay, Navy, 1925	----------	39,561.46	----------	----------	----------
5702. Provisions, 1925	----------	5,698.44	----------	----------	----------
5704. Maintenance, Supplies, and Accounts, 1925	76.92	301.39	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,245.13	----------	----------	----------
Total current year appropriations	2,355.85	54,609.17	20,365.35	13,006.24	432.53
All prior year appropriations	----------	23.55	----------	1,153.00	12.00
Appropriation purchases account material and industrial overhead	*2,479.25*	3,014.94	7,511.00	5,750.98	180.38
Grand total	*123.40*	57,647.66	27,876.35	19,910.22	624.91

Statement 13.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5091. R-14					
——. Dec. 24, 1919 (12)					
5309. Instruments and supplies, 1925	$99.93	$19.27	----------	----------	$43.32
5401. Ordnance and ordnance stores, 1925	53.50	208.35	----------	----------	36.08
5501. Construction and Repair, 1925	668.25	1,735.06	$13,101.89	$747.83	----------
5601. Engineering, 1925	805.38	2,598.33	9,561.11	448.93	----------
5701. Pay, Navy, 1925	----------	40,980.82	----------	----------	----------
5702. Provisions, 1925	----------	4,998.92	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	22.86	231.34	----------	----------	----------
5708. Fuel and transportation, 1925	----------	2,625.36	----------	----------	----------
Total current year appropriations	1,649.92	53,397.45	22,663.00	1,196.76	79.40
All prior year appropriations	----------	23.55	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*3,163.17*	3,649.58	9,260.77	2,607.84	21.26
Grand total	*1,513.25*	57,070.58	31,923.77	4,957.60	100.66
5092. R-15					
——. July 27, 1918 (12)					
5309. Instruments and supplies, 1925	13.54	22.41	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	237.77	----------	----------	392.57
5501. Construction and Repair, 1925	198.42	2,016.12	9,719.36	5,813.15	----------
5601. Engineering, 1925	391.41	3,060.16	4,498.83	1,246.71	----------
5701. Pay, Navy, 1925	----------	32,258.51	----------	----------	----------
5702. Provisions, 1925	----------	5,494.11	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	48.00	268.81	----------	----------	12.87
5708. Fuel and transportation, 1925	----------	3,203.50	----------	----------	----------
Total current year appropriations	651.37	46,561.39	14,218.19	7,059.86	405.44
All prior year appropriations	----------	23.55	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*1,391.85*	13,528.13	7,490.15	5,799.04	135.35
Grand total	*740.48*	60,113.07	21,708.34	14,011.90	540.79
5093. R-16					
——. Aug. 5, 1918 (12)					
5309. Instruments and supplies, 1925	58.95	23.59	----------	----------	28.24
5401. Ordnance and ordnance stores, 1925	75.00	229.39	----------	----------	1,050.75
5501. Construction and Repair, 1925	337.11	2,122.46	10,355.06	4,559.06	----------
5601. Engineering, 1925	1,748.45	3,905.01	4,801.39	1,423.98	144.85
5701. Pay, Navy, 1925	----------	31,844.25	----------	----------	----------
5702. Provisions, 1925	----------	5,328.16	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	282.99	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,595.80	----------	----------	----------
Total current year appropriations	2,219.51	47,331.65	15,156.45	5,983.04	1,223.84
All prior year appropriations	----------	23.55	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*3,438.00*	3,634.56	8,767.90	4,187.09	655.24
Grand total	*1,218.49*	50,989.76	23,924.35	11,323.13	1,879.08
5094. R-17					
——. Aug. 17, 1918 (12)					
5309. Instruments and supplies, 1925	180.85	20.75	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	10.00	212.49	----------	----------	155.82
5501. Construction and Repair, 1925	493.68	1,867.16	8,428.94	1,242.77	----------
5601. Engineering, 1925	1,593.96	3,216.15	5,088.53	----------	136.03
5701. Pay, Navy, 1925	----------	31,513.94	----------	----------	----------
5702. Provisions, 1925	----------	5,135.57	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5094. R-17—Continued					
5704. Maintenance, Supplies and Accounts, 1925	----------	$248.96	----------	----------	$17.10
5708. Fuel and transportation, 1925	----------	3,658.11	----------	----------	----------
Total current year appropriations	$2,278.49	45,873.13	$13,517.47	$1,242.77	308.95
All prior year appropriations	----------	13.65	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*2,095.97*	2,478.62	7,567.10	2,780.09	109.69
Grand total	182.52	48,365.40	21,084.57	5,175.86	418.64
5095. R-18					
——. Sept. 11, 1918 (12)					
5309. Instruments and supplies, 1925	58.95	20.68	----------	----------	56.92
5401. Ordnance and ordnance stores, 1925	107.00	219.97	----------	----------	308.63
5501. Construction and Repair, 1925	469.83	1,861.89	6,803.73	4,251.85	----------
5601. Engineering, 1925	777.84	4,060.60	8,021.56	1,472.60	----------
5701. Pay, Navy, 1925	----------	32,806.16	----------	----------	----------
5702. Provisions, 1925	----------	5,752.05	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	3.24	248.24	----------	----------	----------
5708. Fuel and transportation	----------	2,974.04	----------	----------	----------
Total current year appropriations	1,416.86	47,943.63	14,825.29	5,724.45	365.55
All prior year appropriations	----------	23.56	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	10,063.55	1,923.68	7,466.69	5,848.80	184.81
Grand total	11,480.41	49,890.87	22,291.98	12,726.25	550.36
5096. R-19					
——. Oct. 7, 1918 (12)					
5309. Instruments and supplies, 1925	17.04	21.47	----------	----------	19.52
5401. Ordnance and ordnance stores, 1925	----------	211.95	----------	----------	6.12
5501. Construction and Repair, 1925	276.97	1,932.00	5,300.37	779.06	----------
5601. Engineering, 1925	3,155.02	2,754.91	5,320.53	447.59	----------
5701. Pay, Navy, 1925	----------	31,683.36	----------	----------	----------
5702. Provisions, 1925	----------	5,131.47	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	19.60	257.61	----------	----------	17.94
5708. Fuel and transportation, 1925	----------	3,576.11	----------	----------	----------
Total current year appropriations	3,468.63	45,568.88	10,620.90	1,226.65	43.58
All prior year appropriations	----------	71.43	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*7,807.50*	8,489.68	6,556.53	430.86	16.37
Grand total	*4,338.87*	54,129.99	17,177.43	2,810.51	59.95
5097. R-20					
——. Oct. 26, 1918 (12)					
5309. Instruments and supplies, 1925	74.85	20.66	----------	----------	74.93
5401. Ordnance and ordnance stores, 1925	----------	205.14	----------	----------	593.35
5501. Construction and Repair, 1925	40.54	1,860.39	4,522.60	268.50	----------
5601. Engineering, 1925	2,682.19	3,499.67	4,740.77	----------	36.11
5701. Pay, Navy, 1925	----------	32,497.39	----------	----------	----------
5702. Provisions, 1925	----------	5,331.87	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	248.06	----------	----------	5.70
5708. Fuel and transportation, 1925	----------	3,476.10	----------	----------	----------
Total current year appropriations	2,797.58	47,139.28	9,263.37	268.50	710.09
All prior year appropriations	----------	23.56	----------	1,153.00	----------
Appropriation purchases account material and industrial overhead	*3,620.94*	4,319.20	6,372.20	131.29	395.98
Grand total	*823.36*	51,482.04	15,635.57	1,552.79	1,106.07

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5099. R–22					
——. Aug. 1, 1919 (10)					
5309. Instruments and supplies, 1925		$84.67	$94.44		
5327. Recreation, 1925		146.85			
5401. Ordnance and ordnance stores, 1925		102.70	3.20		
5501. Construction and Repair, 1925	$324.58	1,363.15	5,999.28		
5601. Engineering, 1925	845.09	1,331.34	1,265.34		
5701. Pay, Navy, 1925		28,517.15			
5702. Provisions, 1925		1,475.46			
5704. Maintenance, Supplies and Accounts, 1925	7.46	176.05			
5708. Fuel and transportation, 1925		1,708.99			
Total current year appropriations	1,177.13	34,906.36	7,362.26		
Appropriation purchases account material and industrial overhead	*2,673.62*	2,113.14	916.66	$641.55	
Grand total	*1,496.49*	37,019.50	8,278.92	641.55	
5100. R–23					
——. Oct. 23, 1919 (10)					
5309. Instruments and supplies, 1925		49.16	83.92		
5327. Recreation, 1925		94.51			
5401. Ordnance and ordnance stores, 1925		81.66	80.95		
5501. Construction and Repair, 1925	776.98	1,427.64	9,209.86	18,927.09	
5601. Engineering, 1925	190.81	3,222.16	1,752.23	517.56	$605.62
5701. Pay, Navy, 1925		26,882.85			
5702. Provisions, 1925		2,030.42			
5704. Maintenance, Supplies and Accounts, 1925	.20	151.37			
5708. Fuel and transportation, 1925		2,050.81			
Total current year appropriations	967.99	35,990.58	11,126.96	19,444.65	605.62
All prior year appropriations		288.39	23,642.16	123.36	
Appropriation purchases account material and industrial overhead	*53,937.10*	5,043.09	1,339.59	932.00	
Grand total	*52,969.11*	41,322.06	36,108.71	20,500.01	605.62
5101. R–24					
——. June 27, 1919 (11)					
5309. Instruments and supplies, 1925	53.00	284.18	86.32		
5327. Recreation, 1925		203.37			
5401. Ordnance and ordnance stores, 1925	4.60	197.29	2.46		
5501. Construction and Repair, 1925	157.46	9,041.00	6,161.70	12,372.24	
5601. Engineering, 1925	1,755.32	3,778.03	3,312.60	2,681.06	1,227.39
5701. Pay, Navy, 1925		33,989.05			
5702. Provisions, 1925		3,044.56			
5704. Maintenance, Supplies and Accounts, 1925	190.80	373.31			
5708. Fuel and transportation, 1925		2,823.12			
Total current year appropriations	2,161.18	53,733.91	9,563.08	15,053.30	1,227.39
All prior year appropriations		687.82			
Appropriation purchases account material and industrial overhead	*56,978.81*	3,388.96	1,123.79	1,835.00	
Grand total	*54,817.63*	57,810.69	10,686.87	16,888.30	1,227.39
5103. R–26					
——. Oct. 23, 1919 (11)					
5101. Pay, miscellaneous, 1925		1.80			
5309. Instruments and supplies, 1925	127.00	19.07	87.01		
5327. Recreation, 1925		181.41			
5401. Ordnance and ordnance stores, 1925	4.60	133.53	2.46		
5501. Construction and Repair, 1925	12.00	2,207.96	18,608.12	9,408.85	
5601. Engineering, 1925	76.62	3,792.12	17,095.95	1,521.17	1,223.96
5701. Pay, Navy, 1925		33,993.25			
5702. Provisions, 1925		3,676.04			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5103. R-26—Continued					
5704. Maintenance, Supplies, and Accounts, 1925	$139.64	$301.24			
5708. Fuel and transportation, 1925		1,516.63			
Total current year appropriations	359.86	45,823.05	$35,793.54	$10,930.02	$1,223.96
All prior year appropriations		328.94			
Appropriation purchases account material and industrial overhead	*60,266.10*	3,066.65	987.41	958.13	
Grand total	59,906.24	49,218.64	36,780.95	11,888.15	1,223.96
5104. R-27					
——. Sept. 23, 1919 (10)					
5309. Instruments and supplies, 1925		81.65	89.26		
5327. Recreation, 1925		162.84			
5401. Ordnance and ordnance stores, 1925		64.02	7.18		
5501. Construction and Repair, 1925	4,082.38	1,216.77	8,053.99	10,056.31	
5601. Engineering, 1925	371.25	3,346.20	3,245.84	1,855.20	491.04
5701. Pay, Navy, 1925		29,717.33			
5702. Provisions, 1925		2,010.38			
5704. Maintenance, Supplies and Accounts, 1925	2.54	122.86			
5708. Fuel and transportation, 1925		2,055.71			
Total current year appropriations	4,456.17	38,777.76	11,396.27	11,911.51	491.04
All prior year appropriations		318.73	14,099.18		
Appropriation purchases account material and industrial overhead	*60,998.69*	7,701.68	1,241.95	932.00	
Grand total	*56,542.52*	46,798.17	26,737.40	12,843.51	491.04
FLEET SUBMARINES, FIRST LINE					
5163. V-1					
——. Oct. 1, 1924 (9)					
5101. Pay, miscellaneous, 1925		2.71			
5309. Instruments and supplies, 1925		51.00			
5327. Recreation, 1925		149.80			
5401. Ordnance and ordnance stores, 1925		357.03			
5501. Construction and Repair, 1925	176.00	4,590.38			
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	24,721.37				
5601. Engineering, 1925		8,585.13	176.56		
5701. Pay, Navy, 1925		80,929.35			
5702. Provisions, 1925		10,868.03			
5704. Maintenance, Supplies and Accounts, 1925		612.05			
5708. Fuel and transportation, 1925		10,450.92			
Total current year appropriations	24,897.37	116,596.40	176.56		
Appropriation purchases account material and industrial overhead	39,959.23	7,733.05	17.81		
Grand total	64,856.60	124,329.45	194.37		
PATROL VESSELS, SUBMARINE CHASERS					
5557. Submarine chaser 57					
77. May 6, 1918 (12)					
5601. Engineering, 1925		714.31			
5708. Fuel and transportation, 1925		1,387.81			
Total current appropriations		2,102.12			
Appropriation purchases account material and industrial overhead	*1,306.69*	68.85			
Grand total	*1,306.69*	2,170.97			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, SUBMARINE CHASERS—continued					
5602. Submarine chaser 102					
77. Mar. 12, 1918 (12)					
5601. Engineering, 1925	----------	$362.85	$39.62	----------	----------
5708. Fuel and transportation, 1925	----------	686.44	----------	----------	----------
Total current year appropriations	----------	1,049.29	39.62	----------	----------
Appropriation purchases account material and industrial overhead	*$1,225.36*	30.70	4.48	----------	----------
Grand total	*1,225.36*	1,079.99	44.10	----------	----------
5659. Submarine chaser 159					
77. Sept. 17, 1917 (12)					
5309. Instruments and supplies, 1925	9.21	----------	----------	----------	----------
5501. Construction and Repair, 1925	170.72	221.97	671.94	----------	----------
5601. Engineering, 1925	284.00	366.53	324.30	----------	----------
5701. Pay, Navy, 1925	----------	8,432.11	----------	----------	----------
5702. Provisions, 1925	----------	482.50	----------	----------	----------
5704. Maintenance, Supplies, and Accounts, 1925	----------	24.35	----------	----------	----------
5708. Fuel and transportation, 1925	----------	481.60	----------	----------	----------
Total current year appropriations	463.93	10,009.06	996.24	----------	----------
All prior year appropriations	*2.04*	2.04	----------	----------	----------
Appropriation purchases account material and industrial overhead	*120.47*	120.47	40.02	----------	----------
Grand total	341.42	10,131.57	1,036.26	----------	----------
5685. Submarine chaser 185					
——. —— (12)					
5501. Construction and Repair, 1925	86.52	323.32	496.54	----------	----------
5601. Engineering, 1925	----------	555.41	880.48	----------	----------
5701. Pay, Navy, 1925	----------	1,208.58	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,363.05	----------	----------	----------
Total current year appropriations	86.52	5,450.36	1,377.02	----------	----------
All prior year appropriations	----------	----------	70.00	----------	----------
Appropriation purchases account material and industrial overhead	*380.50*	447.72	172.32	----------	----------
Grand total	*293.98*	5,898.08	1,619.34	----------	----------
5692. Submarine chaser 192					
77. Mar. 13, 1918 (12)					
5501. Construction and Repair, 1925	86.52	231.94	691.01	----------	----------
5601. Engineering, 1925	261.50	528.68	410.00	----------	----------
5708. Fuel and transportation, 1925	----------	3,555.87	----------	----------	----------
Total current year appropriations	348.02	4,316.49	1,101.01	----------	----------
All prior year appropriations	----------	*2.00*	----------	----------	----------
Appropriation purchases account material and industrial overhead	*427.47*	322.29	155.09	----------	----------
Grand total	*79.45*	4,636.78	1,256.10	----------	----------
5714. Submarine chaser 214					
77. Dec. 1, 1917 (12)					
5309. Instruments and supplies, 1925	85.26	----------	----------	----------	----------
5322. Organizing Naval Reserve Force, 1925 (Subhead No. 4)	----------	----------	1,753.20	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	14.93	----------	----------	----------
5501. Construction and Repair, 1925	36.00	256.70	723.54	----------	----------
5601. Engineering, 1925	827.21	656.18	983.11	----------	$28.78
5701. Pay, Navy, 1925	----------	15,945.95	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, SUBMARINE CHASERS—continued					
5174. Submarine chaser 214—Continued					
5702. Provisions, 1925		$3,842.42			
5704. Maintenance, Supplies, and Accounts, 1925	$37.04	68.94			
5708. Fuel and transportation, 1925		1,477.89			
Total current year appropriations	985.51	22,263.01	$3,459.85		$28.78
All prior year appropriations		476.59			
Appropriation purchases account material and industrial overhead	*2,093.20*	2,204.56	1.89		
Grand total	*1,107.69*	24,944.16	3,461.74		28.78
5729. Submarine chaser 229					
77. Jan. 23, 1918 (12)					
5501. Construction and Repair, 1925			45.27		
5601. Engineering, 1925		54.40	22.08		
5708. Fuel and transportation		945.15			
Total current year appropriations		999.55	67.35		
Appropriation purchases account material and industrial overhead	*1,364.70*	50.92	9.04		
Grand total	*1,364.70*	1,050.47	76.39		
5731. Submarine chaser 231					
77. Feb. 8, 1918 (12)					
5501. Construction and Repair, 1925		58.98			70.00
5601. Engineering, 1925		282.22	19.20		
5708. Fuel and transportation, 1925		1,296.84			
Total current year appropriations		1,638.04	19.20		70.00
Appropriation purchases account material and industrial overhead	*1,373.19*	16.24			
Grand total	*1,373.19*	1,654.28	19.20		70.00
5785. Submarine chaser 285					
77. Apr. 22, 1918 (12)					
5501. Construction and Repair, 1925			925.93		
5708. Fuel and transportation, 1925		882.51			
Total current year appropriations		882.51	925.93		
All prior year appropriations					
Appropriation purchases account material and industrial overhead					
Grand total		882.51	925.93		
5806. Submarine chaser 306					
77. Feb. 27, 1918 (12)					
5501. Construction and Repair, 1925	46.08	718.83	35.07		
5601. Engineering, 1925	128.39	1,410.70	1,121.16		8.00
5701. Pay, Navy, 1925		2,224.80			
5702. Provisions, 1925		4,173.84			
5704. Maintenance, Supplies and Accounts, 1925		118.05			
5708. Fuel and transportation, 1925		3,605.61			
Total current year appropriations	174.47	12,251.83	1,156.23		8.00
All prior year appropriations	*31.15*	*16.10*			
Appropriation purchases account material and industrial overhead	*299.62*	354.62	64.47	$284.00	
Grand total	*156.80*	12,590.35	1,220.70	284.00	8.00

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, SUBMARINE CHASERS—continued					
5826. Submarine chaser 326					
77. Nov. 14, 1917 (12)					
5501. Construction and Repair, 1925		$56.92			
5601. Engineering, 1925		103.56	$371.52		$3.00
5708. Fuel and transportation, 1925		600.60			
Total current year appropriations		761.08	371.52		3.00
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*$1,282.89*	91.79	5.15		
Grand total	*1,282.89*	852.87	376.67		3.00
5828. Submarine chaser 328					
77. Oct. 20, 1917 (12)					
5501. Construction and Repair, 1925		90.49	97.31		
5601. Engineering, 1925		666.15	11.52		
5702. Provisions, 1925		.96			
5708. Fuel and transportation, 1925		1,041.65			
Total current year appropriations		1,799.25	108.83		
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*1,068.57*	62.86	13.36		
Grand total	*1,068.57*	1,862.11	122.19		
5940. Submarine chaser 440					
77. Jan. 16, 1919 (12)					
5601. Engineering, 1925		73.40	6.80		
5708. Fuel and transportation, 1925		1,033.27			
Total current year appropriations		1,106.67	6.80		
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*1,296.45*	91.45			
Grand total	*1,296.45*	1,198.12	6.80		
PATROL VESSELS, GUNBOATS					
3721. Asheville					
1,575. July 6, 1920 (12)					
5101. Pay, miscellaneous, 1925		471.65			
5309. Instruments and supplies, 1925	537.46	998.74	206.44		74.10
5327. Recreation, 1925		169.31			
5401. Ordnance and ordnance stores, 1925		458.94			110.21
5501. Construction and Repair, 1925	4,308.02	5,637.04	8,117.99	$617.06	1,520.91
5601. Engineering, 1925	1,239.73	5,436.35	3,245.58		445.92
5701. Pay, Navy, 1925		156,879.25			
5702. Provisions, 1925		38,766.95			
5704. Maintenance, Supplies and Accounts, 1925	714.52	1,550.41			5.36
5708. Fuel and transportation, 1925		22,159.67			
5801. Medical Department, 1925		104.04			
5802. Contingent, Medicine and Surgery, 1925		299.93			
5815. Naval hospital fund		17.96			
5901. Pay, Marine Corps, 1925		19,014.54			
Total current year appropriations	6,799.73	251,964.78	11,570.01	617.06	2,156.50
All prior year appropriations		9.10			48.00
Appropriation purchases account material and industrial overhead	*6,581.49*	6,748.52	2,436.35		532.35
Grand total	218.24	258,722.40	14,006.36	617.06	2,736.85

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, GUNBOATS—continued					
3753. Elcano					
620. Nov. 20, 1902 (12)					
5101. Pay, miscellaneous, 1925		$787.01			
5309. Instruments and supplies, 1925	$304.40	86.05			$1.68
5310. Ocean and lake surveys		7.15			
5327. Recreation, 1925		306.69			
5401. Ordnance and ordnanee stores, 1925		150.14			1.96
5501. Construction and Repair, 1925	1,702.86	1,930.62	$119.00		11.18
5601. Engineering, 1925	3,052.63	2,261.51	19.19		78.59
5701. Pay, Navy, 1925		96,024.30			
5702. Provisions, 1925		23,758.66			
5704. Maintenanee, Supplies and Aecounts, 1925	131.92	286.10			
5708. Fuel and transportation, 1925		18,597.11			
5801. Medical Department, 1925		34.08			
5802. Contingent Medicine and Surgery, 1925		39.93			
Total current year appropriations	5,191.81	144,269.35	138.19		93.41
All prior year appropriations	143.00	3,404.66	1,073.43		20.00
Appropriation purchases account material and industrial overhead	*2,398.54*	11,125.66			4.96
Grand total	2,936.27	158,799.67	1,211.62		118.37
3709. Helena					
1392. July 8, 1897 (12)					
5101. Pay, miscellaneous, 1925		206.24			
5309. Instruments and supplies, 1925	564.37	203.14			65.12
5310. Oecan and lake surveys		15.34			
5327. Reereation, 1925		49.22			
5401. Ordnance and ordnanee stores, 1925	69.00	1,164.25			6.02
5501. Construction and Repair, 1925	6,165.06	8,003.82	7,352.29	$145.34	1,775.02
5601. Engineering, 1925	829.28	6,343.89	8,429.61	3,937.07	794.20
5701. Pay, Navy, 1925		185,861.20			
5702. Provisions, 1925		41,531.17			
5704. Maintenance, Supplies and Aecounts, 1925	483.05	1,449.47			7.30
5708. Fuel and transportation, 1925		29,930.17			
5801. Medical Department, 1925		25.15			
5802. Contingent Medicine and Surgery, 1925		159.59			
5901. Pay, Marine Corps, 1925		16,122.61			
Total eurrent year appropriations	8,110.76	291,065.26	15,781.90	4,082.41	2,647.66
All prior year appropriations		375.60			
Appropriation purchases aceount material and industrial overhead	*4,510.99*	9,187.10	1,920.86	206.72	550.31
Grand total	3,599.77	300,627.96	17,702.76	4,289.13	3,197.97
3720. Monocacy					
190. June 24, 1914 (12)					
5101. Pay, Miseellaneous, 1925		1,153.50			
5309. Instruments and supplies, 1925	15.79	2,175.66			
5310. Oeean and lake surveys		19.18			
5327. Recreation, 1925		465.34			
5401. Ordnance and ordnance stores, 1925		160.66			*29.82*
5501. Construetion and Repair, 1925	2,035.13	2,065.72	1,317.43		57.27
5601. Engineering, 1925	472.86	2,576.77	2,195.47		
5701. Pay, Navy, 1925		62,960.71			
5702. Provisions, 1925		13,433.19			
5704. Maintenance, Supplies and Aeeounts, 1925	222.67	288.36			
5708. Fuel and transportation, 1925		15,820.47			
5801. Medical Department, 1925		15.66			
5802. Contingent Medieine and Surgery, 1925		90.99			
Total eurrent year appropriations	2,746.45	101,226.21	3,512.90		27.45

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, GUNBOATS—continued					
3720. Monocacy—Continued					
All prior year appropriations	$17.48	$1,958.60			$21.00
Appropriation purchases account material and industrial overhead	*9,306.50*	7,537.75			
Grand total	*6,542.57*	110,722.56	$3,512.90		48.45
3716. Palos					
190. June 24, 1914 (12)					
5101. Pay, miscellaneous, 1925		1,032.20			
5305. Gunnery and engineering exercises		49.71			
5309. Instruments and supplies, 1925	27.63	2,817.60			
5327. Recreation, 1925		169.67			
5401. Ordnance and ordnance stores, 1925	74.34	117.95			
5501. Construction and Repair, 1925	1,880.33	1,516.61	25.62		107.81
5601. Engineering, 1925	5,782.98	2,055.72	91.95		61.44
5701. Pay, Navy, 1925		59,968.54			
5702. Provisions, 1925		14,048.79			
5704. Maintenance, Supplies and Accounts, 1925	288.76	255.44			
5708. Fuel and transportation, 1925		15,140.21			
5802. Contingent Medicine and Surgery, 1925		57.18			
Total current year appropriations	8,054.04	97,229.62	117.57		169.25
All prior year appropriations	67.65	4,704.77			
Appropriation purchases account material and industrial overhead	*7,276.38*	7,200.53			
Grand total	845.31	109,134.92	117.57		169.25
3755. Pampanga					
243. June 8, 1899 (12)					
5101. Pay, miscellaneous, 1925		160.25			
5309. Instruments and supplies, 1925	306.42	214.84			
5310. Ocean and lake surveys		16.70			
5327. Recreation, 1925		224.80			
5401. Ordnance and ordnance stores, 1925		119.80			
5501. Construction and Repair, 1925	1,703.71	1,540.18			334.95
5601. Engineering, 1925	490.13	1,661.00	619.86		64.34
5701. Pay, Navy, 1925		37,752.18			
5702. Provisions, 1925		8,767.85			
5704. Maintenance, Supplies and Accounts, 1925	27.37	205.33			6.51
5708. Fuel and transportation, 1925		2,871.85			
Total current year appropriations	2,527.63	53,534.78	619.86		405.80
All prior year appropriations	229.58	94.06			
Appropriation purchases account material and industrial overhead	*1,748.56*	4,105.50		$313.27	
Grand total	1,008.65	57,734.34	619.86	313.27	405.80
3719. Sacramento					
1425. Apr. 26, 1914 (12)					
5101. Pay, miscellaneous, 1925		507.00			
5309. Instruments and supplies, 1925	1,493.32	240.89			148.74
5310. Ocean and lake surveys		10.31			
5401. Ordnance and ordnance stores, 1925		431.80			832.46
5501. Construction and Repair, 1925	6,377.55	4,916.75	11,578.58		3,811.87
5601. Engineering, 1925	1,872.80	4,228.39	15,134.24	32.80	414.07
5701. Pay, Navy, 1925		160,003.83			
5702. Provisions, 1925		34,326.66			
5704. Maintenance, Supplies and Accounts, 1925	1,073.04	1,110.30			133.16
5708. Fuel and transportation, 1925		37,147.59			
5802. Contingent, Medicine and Surgery, 1925		62.13			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, GUNBOATS—continued					
8719. Sacramento—Continued					
5815. Naval hospital fund	----------	$13.65	----------	----------	----------
5901. Pay, Marine Corps, 1925	----------	19,745.58	----------	----------	----------
Total current year appropriations	$10,816.71	262,744.88	$26,712.82	$32.80	$5,340.30
All prior year appropriations	----------	----------	----------	----------	----------
Appropriation purchases account material and industrial overhead	*10,522.43*	12,312.17	7,778.88	----------	1,459.97
Grand total	294.28	275,057.05	34,491.70	32.80	6,800.27
8722. Tulsa					
1,575. Dec. 3, 1923 (12)					
5101. Pay, miscellaneous, 1925	----------	109.88	----------	----------	----------
5309. Instruments and supplies, 1925	956.05	133.51	----------	----------	44.51
5327. Recreation, 1925	----------	81.00	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	73.25	253.24	240.81	62.82	498.84
5501. Construction and Repair, 1925	4,714.30	6,007.00	6,636.12	278.75	1,936.54
5601. Engineering, 1925	716.66	3,828.32	16,293.71	----------	957.57
5701. Pay, Navy, 1925	----------	173,237.35	----------	----------	----------
5702. Provisions, 1925	----------	36,788.94	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	604.81	1,126.34	----------	----------	368.85
5708. Fuel and transportation, 1925	----------	24,703.61	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	91.31	----------	----------	----------
5901. Pay, Marine Corps, 1925	----------	15,179.31	----------	----------	----------
Total current year appropriations	7,065.07	261,539.81	23,170.64	341.57	3,806.31
All prior year appropriations	----------	10.06	----------	----------	----------
Appropriation purchases account material and industrial overhead	*23,861.43*	*31,101.00*	2,067.04	57.66	105.20
Grand total	*16,796.86*	230,448.87	25,237.68	399.23	3,911.51
8760. Villalobos					
370. Mar. 5, 1900 (12)					
5101. Pay, miscellaneous, 1925	----------	611.75	----------	----------	----------
5309. Instruments and supplies, 1925	135.19	139.10	----------	----------	----------
5310. Ocean and lake surveys	----------	24.53	----------	----------	----------
5327. Recreation, 1925	----------	302.66	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	118.70	80.01	----------	8.51
5501. Construction and Repair, 1925	2,173.67	1,526.16	928.81	----------	14.39
5601. Engineering, 1925	158.28	2,130.10	1,945.36	----------	391.40
5701. Pay, Navy, 1925	----------	58,499.68	----------	----------	----------
5702. Provisions, 1925	----------	13,004.51	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	970.04	209.06	----------	----------	5.48
5708. Fuel and transportation, 1925	----------	7,277.04	----------	----------	----------
5801. Medical Department, 1925	----------	16.87	----------	----------	----------
Total current year appropriations	3,437.18	83,860.16	2,954.18	----------	419.78
All prior year appropriations	62.21	1,571.54	396.00	----------	----------
Appropriation purchases account material and industrial overhead	*1,418.89*	5,853.37	387.66	----------	90.15
Grand total	2,085.50	91,285.07	3,737.84	----------	509.93
PATROL VESSELS, CONVERTED YACHTS					
8747. Isabel					
797. Dec. 28, 1917 (12)					
5101. Pay, miscellaneous, 1925	----------	2,016.46	----------	----------	----------
5309. Instruments and supplies, 1925	443.08	2,020.38	----------	----------	----------
5310. Ocean and lake surveys	----------	8.37	----------	----------	----------
5327. Recreation, 1925	----------	292.50	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	6.43	327.12	----------	----------	----------
5501. Construction and Repair, 1925	1,665.38	5,649.90	2,006.95	1,153.06	9.53

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, CONVERTED YACHTS—continued					
8747. Isabel—Continued					
5601. Engineering, 1925	$2,421.03	$3,919.10	$1,792.66	$142.60	$926.18
5701. Pay, Navy, 1925		152,116.61			
5702. Provisions, 1925		25,934.76			
5704. Maintenance, Supplies and Accounts, 1925	590.61	6,956.96			76.14
5708. Fuel and transportation, 1925		34,125.17			
5801. Medical Department, 1925		45.22			
5802. Contingent, Medicine and Surgery, 1925		30.05			
5901. Pay, Marine Corps, 1925		2,694.37			
Total current year appropriations	5,126.53	236,136.97	3,799.61	1,295.66	1,011.85
All prior year appropriations	522.35	12,392.03	3,409.57		
Appropriation purchases account material and industrial overhead	*10,230.32*	10,594.14		3,540.00	256.52
Grand total	*4,581.44*	259,123.14	7,209.18	4,835.66	1,268.37
8608. Mayflower					
2,690. July 25, 1905 (12)					
5101. Pay, miscellaneous, 1925		161.89			
5309. Instruments and supplies, 1925	1,422.64	4,181.71			15.18
5327. Recreation, 1925		318.46			
5401. Ordnance and ordnance supplies, 1925	1.10	160.65			
5501. Construction and Repair, 1925	9,709.30	6,663.24	13,855.24	4,453.38	2,888.73
5601. Engineering, 1925	8,638.22	6,481.41	2,007.20	1,884.78	1,650.23
5701. Pay, Navy, 1925		207,169.05			
5702. Provisions, 1925		33,839.17			
5704. Maintenance, Supplies, and Accounts, 1925	629.57	1,641.81			1,400.89
5708. Fuel and transportation, 1925		21,261.64			
5802. Contingent, Medicine and Surgery, 1925		62.94			
5901. Pay, Marine Corps, 1925		12,733.44			
Total current year appropriations	20,400.83	294,675.41	15,862.44	6,338.16	5,955.03
All prior year appropriations					3.16
Appropriation purchases account material and industrial overhead	*8,176.02*	8,687.19	2,169.80	1,641.69	606.25
Grand total	12,224.81	303,362.60	18,032.24	7,979.85	6,564.44
8761. Niagara					
2,600. —— (12)					
5101. Pay, miscellaneous, 1925		85.62			
5309. Instruments and supplies, 1925	3,723.83	408.53			11.95
5310. Ocean and lake surveys	3,526.74	12,784.22			
5327. Recreation, 1925		147.20			
5401. Ordnance and ordnance stores, 1925	20.81	212.60			432.32
5501. Construction and Repair, 1925	52,120.85	9,063.40	25,628.50	9,887.48	834.86
5601. Engineering, 1925	23,592.12	8,774.65	37,845.51	6,051.70	511.07
5701. Pay, Navy, 1925		164,949.09			
5702. Provisions, 1925		30,522.79			
5704. Maintenance, Supplies and Accounts, 1925	3,859.98	2,386.77			
5708. Fuel and transportation, 1925		28,262.04			
5802. Contingent, Medicine and Surgery, 1925		29.85			
Total current year appropriations	86,844.33	257,626.76	63,474.01	15,939.18	1,790.20
All prior year appropriations		33.00			
Appropriation purchases account material and industrial overhead	2,882.73	4,342.61	7,291.58	1,212.65	201.83
Grand total	89,727.06	262,002.37	70,765.59	17,151.83	1,992.03

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, CONVERTED YACHTS—continued					
8762. Nokomis					
1,265. Dec. 3, 1917 (12)					
5101. Pay, miscellaneous, 1925		$54.75			
5309. Instruments and supplies, 1925	$964.82	133.32	$0.08		$29.89
5310. Ocean and lake surveys, 1925	3,151.35	9,211.04			18.25
5327. Reercation, 1925		92.35			
5401. Ordnanee and ordnanee stores, 1925		18.56			12.00
5501. Construetion and Repair, 1925	11,592.70	4,184.54	6,121.61	$11,382.51	639.46
5601. Engineering, 1925	5,956.36	4,174.44	6,727.43	8,410.21	263.41
5701. Pay, Navy, 1925		135,153.91			
5702. Provisions, 1925		25,305.13			
5704. Maintenance, Supplies and Aecounts, 1925	867.07	748.36			
5708. Fuel and transportation, 1925		16,060.84			
5802. Contingent, Medieine and Surgery, 1925		31.02			
5854. Aviation, Navy, 1925	2.50				
Total current year appropriations	22,534.80	195,168.26	12,849.12	19,792.72	963.01
All prior year appropriations	*289.30*	*88.02*			
Appropriation purchases aecount material and industrial overhead	*21,811.30*	4,022.96	1,116.80	1,619.88	85.98
Grand total	434.20	199,103.20	13,965.92	21,412.60	1,048.99
8609. Scorpion					
775. Apr. 11, 1898 (12)					
5101. Pay, miseellaneous, 1925		350.80			
5201. Maintenanee, Yards and Docks		347.48			
5309. Instruments and supplies, 1925	154.02	494.99			4.64
5327. Recreation, 1925					
5401. Ordnance and ordnanee stores, 1925		275.97			
5501. Construetion and Repair, 1925	1,725.62	6,154.76	3,944.43		478.45
5601. Engineering, 1925	751.89	5,054.77	7,941.75	50.60	659.21
5701. Pay, Navy, 1925		145,708.29			
5702. Provisions, 1925		46,462.55			
5704. Maintenance, Supplies and Aecounts, 1925	51.39	1,257.91			
5708. Fuel and transportation, 1925		38,779.30			
5801. Medieal Department, 1925		12.23			
5802. Contingent, Medieine and Surgery, 1925		28.64			
Total current year appropriations	2,682.92	244,927.69	11,886.18	50.60	1,142.30
All prior year appropriations		2,850.00			
Appropriation purchases aecount material and industrial overhead	5,020.02	12,021.75			
Grand total	7,702.94	259,799.44	11,886.18	50.60	1,142.30
8610. Sylph					
152. Aug. 18, 1898 (12)					
5102. Contingent, Navy		31.99			
5309. Instruments and supplies, 1925	8.03				
5327. Recreation, 1925		98.10			
5501. Construction and Repair, 1925	680.98	1,913.43	941.45		
5601. Engineering, 1925	545.95	2,227.52	5,512.34		154.40
5701. Pay, Navy, 1925		39,817.43			
5702. Provisions, 1925		7,563.16			
5704. Maintenanee, Supplies and Aecounts, 1925	22.78	241.91			200.23
5708. Fuel and transportation, 1925		1,267.87			
Total current year appropriations	1,257.74	53,161.41	6,453.79		354.63
All prior year appropriations		39.81			
Appropriation purchases aecount material and industrial overhead	*3,777.39*	4,244.80	494.62		43.83
Grand total	*2,519.65*	57,446.02	6,948.41		398.46

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, DESTROYER TENDERS					
4617. Altair					
13,925. Dec. 6, 1921 (12)					
5101. Pay, miscellaneous, 1925		$296.97			
5309. Instruments and supplies, 1925	$5,441.35	362.80		$2,263.31	$178.58
5327. Recreation, 1925		200.00			
5401. Ordnance and ordnance stores, 1925	13.72	2,181.12	$0.98		269.83
5501. Construction and Repair, 1925	37,119.72	14,737.56	11,626.73	10,722.33	3,663.53
5601. Engineering, 1925	12,486.86	15,165.71	9,185.46	11,381.00	3,538.93
5701. Pay, Navy, 1925		566,920.27			
5702. Provisions, 1925		103,725.55			
5704. Maintenance, Supplies and Accounts, 1925	1,411.64	1,730.27			481.11
5708. Fuel and transportation, 1925	414.00	55,709.00			
5802. Contingent, Medicine and Surgery, 1925		148.14			
Total current year appropriations	56,887.29	761,177.39	20,813.17	24,366.64	8,131.98
All prior year appropriations				8,080.91	
Appropriation purchases account material and industrial overhead	*33,780.77*	20,315.96	1,668.20	7,774.95	411.76
Grand total	23,106.52	781,493.35	22,481.37	40,222.50	8,543.74
8817. Black Hawk					
13,500. May 15, 1918 (12)					
5101. Pay, miscellaneous, 1925		615.82			
5309. Instruments and supplies, 1925	1,619.77	1,922.36			4.60
5310. Ocean and lake surveys		9.12			
5327. Recreation, 1925		75.07			
5401. Ordnance and ordnance supplies, 1925	12.54	2,112.00		57.43	.23
5501. Construction and Repair, 1925	10,187.54	21,709.57	20,392.78	628.95	4,314.05
5601. Engineering, 1925	13,718.62	25,127.84	34,098.04	9,991.55	1,199.65
5701. Pay, Navy, 1925		548,526.51			
5702. Provisions, 1925		96,049.26			
5704. Maintenance, Supplies and Accounts, 1925	733.76	3,334.19			79.36
5708. Fuel and transportation, 1925		82,655.20			
5801. Medical Department, 1925		25.19			
5802. Contingent, Medicine and Surgery, 1925		184.56			
5901. Pay, Marine Corps, 1925		72.40			
Total current year appropriations	26,272.23	782,419.09	54,490.82	10,677.93	5,597.89
All prior year appropriations		80.64		1,762.43	
Appropriation purchases account material and industrial overhead	*33,677.69*	27,717.17	11,171.07	26.88	1,642.24
Grand total	*7,405.46*	810,216.90	65,661.89	12,467.24	7,240.13
1135. Bridgeport					
11,750. Aug. 25, 1917 (4)					
5101. Pay, miscellaneous, 1925		30.43			
5309. Instruments and supplies, 1925	6.55	93.87			
5401. Ordnance and ordnance stores, 1925		328.27			201.84
5501. Construction and Repair, 1925	291.84	4,654.66	2,754.00	1,243.25	71.19
5601. Engineering, 1925	18.70	6,403.62	1,517.85		
5701. Pay, Navy, 1925		140,859.32			
5702. Provisions, 1925		18,822.08			
5704. Maintenance, Supplies and Accounts, 1925		896.28			
5708. Fuel and transportation, 1925		11,642.99			
5702. Contingent, Medicine and Surgery, 1925		25.02			
Total current year appropriations	317.09	183,756.54	4,271.85	1,243.25	273.03
All prior year appropriations		39.20			
Appropriation purchases account material and industrial overhead	*405,147.86*	41,363.80	403.34	913.96	42.91
Grand total	*404,830.77*	225,159.54	4,675.19	2,157.21	315.94

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, DESTROYER TENDERS—continued					
4616. Denebola					
13,925. Nov. 28, 1921 (1)					
5501. Construction and Repair, 1925		$738.55	$578.03		
5601. Engineering, 1925		246.44	43.93		
5701. Pay, Navy, 1925		32,735.23			
5702. Provisions, 1925		1,921.81			
5704. Maintenance, Supplies and Accounts, 1925		45.27			
7508. Fuel and transportation, 1925		1,549.10			
Total current year appropriations		37,236.40	621.96		
Appropriation purchases account material and industrial overhead	*$163,701.88*	3,258.35	160.91	$36,303.73	
Grand total	*163,701.88*	40,494.75	782.87	36,303.73	
4610. Dobbin					
10,600. —— (11)					
5101. Pay, miscellaneous, 1925		1,093.03			
5309. Instruments and supplies, 1925	618.05	1,508.88	7.57		$7.06
5327. Recreation, 1925		81.50			
5401. Ordnance and ordnance stores, 1925	34.85	1,993.01	40.73		46.57
5450. Increase of the Navy, ordnance	399.34				
5501. Construction and Repair, 1925	1,123.59	33,266.05	4,436.20	433.10	361.59
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	337,731.38				
5601. Engineering, 1925	1,331.76	26,036.92	3,061.60	1,200.00	155.32
5701. Pay, Navy, 1925		526,381.08			
5702. Provisions, 1925		87,569.25			
5704. Manitenance, Supplies and Accounts, 1925	197.30	4,371.36			144.06
5708. Fuel and transportation, 1925		87,945.58			
5801. Medical Department, 1925		69.54			
5802. Contingent, Medicine and Surgery, 1925		51.15			
Total current year appropriations	341,436.27	770,367.35	7,546.10	1,633.10	714.60
All prior year appropriations					
Appropriation purchases account material and industrial overhead	259,238.96	16,278.56	139.34	24.01	4.87
Grand total	600,675.23	786,645.91	7,685.44	1,657.11	719.47
4609. Melville					
7,150. Dec. 3, 1915 (12)					
5101. Pay, miscellaneous, 1925		968.92			
5301. Contingent, Navy		86.03			
5309. Instruments and supplies, 1925	9,775.79	310.47		148.05	593.21
5327. Recreation, 1925		319.80			
5401. Ordnance and ordnance stores, 1925	224.16	1,305.15	22.25		882.28
5501. Construction and Repair, 1925	76,156.88	13,997.70	3,827.65	2,209.69	529.63
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				78.00	
5601. Engineering, 1925	12,652.33	17,829.37	8,859.92	7,770.77	2,043.42
5701. Pay, Navy, 1925		579,996.85			
5702. Provisions, 1925		103,327.46			
5704. Maintenance, Supplies and Accounts, 1925	795.67	2,316.14			88.68
5708. Fuel and transportation, 1925		63,901.07			
5802. Contingent, Medicine and Surgery, 1925		183.80			
Total current year appropriations	99,604.83	784,542.76	12,709.82	10,206.51	4,137.22
All prior year appropriations		16.34		962.17	32.00
Appropriation purchases account material and industrial overhead	*84,123.37*	24,870.39	1,254.81	733.90	4,253.63
Grand total	15,481.46	809,429.49	13,964.63	11,902.58	8,422.85

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, DESTROYER TENDERS—continued					
4614. Riqel					
13,925. Feb. 24, 1922 (12)					
5101. Pay, miscellaneous, 1925		$199.79			
5309. Instruments and supplies, 1925	$313.18	186.48			$17.50
5327. Recreation, 1925		198.10			
5401. Ordnance and ordnance stores, 1925	15.75	1,497.38			
5501. Construction and Repair, 1925	2,240.18	13,759.62		*$1,300.00*	5.44
5601. Engineering, 1925	1,689.81	15,208.31	$48.10		1,908.07
5701. Pay, Navy, 1925		919,310.58			
5702. Provisions, 1925		119,322.47			
5704. Maintenance, Supplies and Accounts, 1925	160.45	2,389.42			
5708. Fuel and transportation, 1925		21,668.36			
5802. Contingent, Medicine and Surgery, 1925		285.55			
Total current year appropriations	4,419.37	1,094,026.06	48.10	*1,300.00*	1,931.01
All prior year appropriations		18.73			
Appropriation purchases account material and industrial overhead	*4,113.27*	4,067.49	196.70		67.53
Grand total	306.10	1,098,112.28	244.80	*1,300.00*	1,998.54
4611. Whitney					
10,600. —— (10)					
5101. Pay, miscellaneous, 1925		21.99			
5305. Gunnery and engineering exercises		630.00			
5309. Instruments and supplies, 1925	120.96	1,443.00	40.00		29.79
5327. Recreation, 1925		200.00			
5401. Ordnance and ordnance stores, 1925	121.40	1,493.74	40.78		1,422.03
5450. Increase of the Navy, ordnance	643.86				
5501. Construction and Repair, 1925	1,012.20	23,985.75	5,710.20	4.60	1,958.79
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	302,451.03				
5601. Engineering, 1925	1,716.69	32,528.94	5,247.98	2,179.35	1,356.29
5701. Pay, Navy, 1925		429,406.65			
5702. Provisions, 1925		68,949.12			
5704. Maintenance, Supplies and Accounts, 1925	970.13	3,116.25			74.88
5708. Fuel and transportation, 1925		76,607.62			
5801. Medical Department, 1925		42.00			
5802. Contingent, Medicine and Surgery, 1925		125.67			
Total current year appropriations	307,036.27	638,550.73	11,038.96	2,183.95	4,841.78
All prior year appropriations					
Appropriation purchases account material and industrial overhead	327,389.05	30,722.98	871.08	5,002.05	166.75
Grand total	634,425.32	669,273.71	11,910.04	7,186.00	5,008.53
AUXILIARIES, SUBMARINE TENDERS					
1084. Argonne					
13,400. Nov. 8, 1921 (12)					
5101. Pay, miscellaneous, 1925		309.30			
5309. Instruments and supplies, 1925	30.60	1,405.39	144.45		209.48
5327. Recreation, 1925		76.33			
5401. Ordnance and ordnance stores, 1925		35.89			8.40
5501. Construction and Repair, 1925	10,805.76	11,704.73	3,845.55	1,761.03	635.71
5601. Engineering, 1925	615.22	6,017.52	7,771.07	6,236.33	62.28
5701. Pay, Navy, 1925		326,484.88			
5702. Provisions, 1925		50,544.09			
5704. Maintenance, Supplies and Accounts, 1925	910.00	1,614.05			35.00
5708. Fuel and transportation, 1925		59,771.42			
5801. Medical Department, 1925		75.00			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, SUBMARINE TENDERS—con.					
1084. Argonne—Continued					
5802. Contingent, Medicine and Surgery, 1925	----------	$93.47	----------	----------	----------
Total current year appropriations	$12,361.58	458,132.07	$11,761.07	$7,997.36	$950.87
All prior year appropriations	----------	*3,818.10*	----------	----------	----------
Appropriation purchases account material and industrial overhead	12,765.44	8,680.32	116.36	10.39	87.35
Grand total	25,127.02	462,994.29	11,877.43	8,007.75	1,038.22
4612. Beaver					
5,970. Oct. 1, 1918 (12)					
5101. Pay, miscellaneous, 1925	----------	130.04	----------	----------	----------
5309. Instruments and supplies, 1925	1,208.91	408.51	----------	3,096.00	48.35
5327. Recreation, 1925	----------	98.94	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	41.86	1,921.45	----------	----------	4,048.58
5501. Construction and Repair, 1925	32,924.41	15,213.59	22,240.75	24,702.95	3,274.10
5510. Increase of the Navy (joint Construction and Repair and Engineering, allotment)	*824.51*	----------	----------	----------	----------
5601. Engineering, 1925	9,510.45	16,684.23	6,137.94	5,181.95	4,294.77
5701. Pay, Navy, 1925	----------	469,058.32	----------	----------	----------
5702. Provisions, 1925	----------	78,132.02	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	3,424.19	1,634.22	----------	----------	77.13
5708. Fuel and transportation, 1925	----------	45,931.75	----------	----------	----------
5801. Medical Department, 1925	----------	18.16	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	173.20	----------	----------	----------
Total current year appropriations	46,285.31	629,404.43	28,378.69	32,980.90	11,742.93
All prior year appropriations	*1,290.54*	92.34	245.83	----------	----------
Appropriation purchases account material and industrial overhead	29,116.73	33,033.06	9,782.38	2,076.86	*8,694.34*
Grand total	74,111.50	662,529.83	38,406.90	35,057.76	3,048.59
4607. Bushnell					
3,580. Nov. 24, 1915 (12)					
5101. Pay, miscellaneous, 1925	----------	248.91	----------	----------	----------
5309. Instruments and supplies, 1925	748.62	490.58	----------	----------	----------
5327. Recreation, 1925	----------	9.50	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	31.25	965.15	----------	6.65	----------
5501. Construction and Repair, 1925	3,584.27	5,049.22	6,769.69	1,192.92	706.88
5601. Engineering, 1925	2,793.08	7,956.08	2,671.59	3,348.39	105.95
5701. Pay, Navy, 1925	----------	253,208.55	----------	----------	----------
5702. Provisions, 1925	----------	49,415.71	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	329.61	1,897.60	----------	----------	261.78
5708. Fuel and transportation, 1925	----------	43,163.79	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	96.26	----------	----------	----------
Total current year appropriations	7,486.83	362,501.35	9,441.28	4,547.96	1,074.61
All prior year appropriations	----------	.28	----------	----------	----------
Appropriation purchases account material and industrial overhead	*85,825.85*	5,590.23	2,956.53	5,530.27	78.15
Grand total	*78,339.02*	368,091.86	12,397.81	10,078.23	1,152.76

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, SUBMARINE TENDERS—con.					
1156. Camden					
9,000. Aug. 15, 1917 (12)					
5101. Pay, miscellaneous, 1925		$363.31			
5309. Instruments and supplies, 1925	$1,092.67	1,599.58			$61.01
5327. Recreation, 1925		95.00			
5401. Ordnance and ordnance stores, 1925	67.16	1,159.98			
5501. Construction and Repair, 1925	12,996.41	16,707.30	$6,291.28	$1,160.86	914.43
5601. Engineering, 1925	5,919.09	13,595.68	8,792.23	1,957.04	72.32
5701. Pay, Navy, 1925		420,951.27			
5702. Provisions, 1925		70,793.27			
5704. Maintenance, Supplies and Accounts, 1925	1,268.28	2,611.88			222.25
5708. Fuel and transportation, 1925	307.80	61,925.04			
5801. Medical Department, 1925		67.25			
5802 Contingent, Medicine and Surgery, 1925		220.86			
5901. Pay, Marine Corps, 1925		3,360.71			
Total current year appropriations	21,651.41	593,451.13	15,083.51	3,117.90	1,270.01
All prior year appropriations		910.95			
Appropriation purchases account material and industrial overhead	35,535.06	32,169.87	11,369.58		102.00
Grand total	57,186.47	626,531.95	26,453.09	3,117.90	1,372.01
4615. Canopus					
9,325. Jan. 24, 1922 (12)					
5101. Pay, miscellaneous, 1925		292.08			
5309. Instruments and supplies, 1925	763.49	494.96			210.60
5310. Ocean and lakes surveys		41.44			
5327. Recreation, 1925		589.33			
5401. Ordnance and ordnance stores, 1925		1,689.92	11.97		87.79
5501. Construction and Repair, 1925	59,175.99	19,632.47	6,958.01	23,223.23	669.85
5601. Engineering, 1925	15,642.64	15,489.02	12,129.70	13,690.62	1,662.10
5701. Pay, Navy, 1925		405,437.38			
5702. Provisions, 1925		77,947.50			
5704. Maintenance, Supplies and Accounts, 1925	3,112.84	1,400.76			58.85
5708. Fuel and transportation, 1925		57,259.56			
5801. Medical Department, 1925		44.08			
5802. Contingent, Medicine and Surgery, 1925		175.46			
Total current year appropriations	78,694.96	580,493.96	19,099.68	36,913.85	2,689.19
All prior year appropriations	2,820.17	1,033.00		5,130.84	
Appropriation purchases account material and industrial overhead	1,085.33	14,646.36	2,892.55	3,454.34	1,899.59
Grand total	82,600 46	596,173.32	21,992.23	45,499.03	4,588.78
4606. Fulton					
1,408. Dec. 7, 1914 (12)					
5101. Pay, miscellaneous, 1925		161.12			
5309. Instruments and supplies, 1925	394.15	281.32			
5327. Recreation, 1925		111.08			
5401. Ordnance and ordnance stores, 1925		150.53			
5501. Construction and Repair, 1925	7,959.34	6,638.20	586.88	83.60	77.00
5601. Engineering, 1925	1,599.20	4,481.91	3,573.45		201.69
5701. Pay, Navy, 1925		135,068.11			
5702. Provisions, 1925		14,738.05			
5704. Maintenance, Supplies and Accounts, 1925	256.48	840.22			150.00
5708. Fuel and transportation, 1925		9,157.61			
5802. Contingent, Medicine and Surgery, 1925		23.72			
Total current year appropriations	10,209.17	171,651.87	4,160.33	83.60	428.69
All prior year appropriations		116.19			
Appropriation purchases account material and industrial overhead	*17,291.78*	7,659.99	416.79		88.24
Grand total	*7,082.61*	179,428.05	4,577.12	83.60	516.93

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, SUBMARINE TENDERS—con.					
8913. Rainbow					
4,360. July 18, 1898 (12)					
5101. Pay, miscellaneous, 1925		$398.22			
5309. Instruments and supplies, 1925	$409.44	910.40			$58.24
5327. Recreation, 1925		88.10			
5401. Ordnance and ordnance stores, 1925		620.00			
5501. Construction and Repair, 1925	963.11	10,772.70	$2,288.40		1,685.53
5601. Engineering, 1925	419.67	10,655.94	1,181.38		2,823.57
5701. Pay, Navy, 1925		309,204.08			
5702. Provisions, 1925		55,149.81			
5704. Maintenance, Supplies and Accounts, 1925	36.09	2,354.26			
5708. Fuel and transportation, 1925		59,861.68			
5802. Contingent, Medicine and Surgery, 1925		80.00			
Total current year appropriations	1,828.31	450,095.19	3,469.78		4,567.34
All prior year appropriations		30.00			16.00
Appropriation purchases account material and industrial overhead	*467,600.59*	45,424.07	138.16	$339.61	2,140.64
Grand total	*465,772.28*	495,549.26	3,607.94	339.61	6,723.98
2049. Savannah					
10,800. Nov. 3, 1917 (12)					
5101. Pay, miscellaneous, 1925		488.59			
5309. Instruments and supplies, 1925	1,300.37	2,450.71			62.57
5327. Recreation, 1925		104.05			
5401. Ordnance and ordnance stores, 1925	30.94	1,349.75	22.22		880.81
5501. Construction and Repair, 1925	32,245.91	21,370.35	7,659.99	2,062.79	2,102.08
5601. Engineering, 1925	15,299.74	14,344.48	5,605.31		1,854.07
5701. Pay, Navy, 1925		499,649.34			
5702. Provisions, 1925		88,818.79			
5704. Maintenance, Supplies and Accounts, 1925	1,347.83	6,095.02			107.22
5708. Fuel and transportation, 1925		64,158.94			
5801. Medical Department, 1925		21.16			
5802. Contingent, Medicine and Surgery, 1925		125.38			
5901. Pay, Marine Corps, 1925		16,811.30			
Total current year appropriations	50,224.79	715,787.86	13,287.52	2,062.79	5,006.75
All prior year appropriations	152.00	1,233.69			
Appropriation purchases account material and industrial overhead	*45,431.64*	43,844.34	2,060.25	180.03	1,661.80
Grand total	4,945.15	760,865.89	15,347.77	2,242.82	6,668.55
AUXILIARIES, HEAVIER-THAN-AIR, AIRCRAFT TENDER					
8894. Wright					
11,500. Dec. 16, 1921 (12)					
5101. Pay, miscellaneous, 1925		670.60			
5309. Instruments and supplies, 1925	1,310.25	476.44		4,353.83	78.12
5327. Recreation, 1925		205.55			
5401. Ordnance and ordnance stores, 1925		539.99			28.88
5501. Construction and Repair, 1925	13,700.48	13,006.62	13,397.94	14,803.23	4,799.04
5601. Engineering, 1925	13,593.37	13,702.52	21,927.94	5,063.85	974.91
5701. Pay, Navy, 1925		768,521.36			
5702. Provisions, 1925		96,183.13			
5704. Maintenance, Supplies and Accounts, 1925	1,761.49	2,539.01			28.92
5708. Fuel and transportation, 1925		74,972.75			
5801. Medical Department, 1925		50.40			
5802. Contingent, Medicine and Surgery, 1925		173.37			
5853. Aviation, Navy, 1925	138.00				
5854. Aviation, Navy, maintenance repairs		344.18			
Total current year appropriations	30,503.59	971,385.92	35,325.88	24,220.91	5,909.87
All prior year appropriations	*3,993.60*	130.26			
Appropriation purchases account material and industrial overhead	673,058.08	37,127.04	4,661.80	2,113.42	1,549.72
Grand total	699,568.07	1,008,643.22	39,987.68	26,334.33	7,459.59

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, REPAIR SHIPS					
8895. Medusa					
10,000. —— (9)					
5101. Pay, miscellaneous, 1925		$87.87			
5309. Instruments and supplies, 1925	$69.66	1,204.59			
5401. Ordnance and ordnance stores, 1925		2,131.05			
5450. Increase of the Navy, ordnance	9,567.29				
5501. Construction and Repair, 1925	61.96	27,812.48	$2,246.98		
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	322,212.76				
5601. Engineering, 1925	576.63	22,105.58	1,623.71	$6.94	$63.95
5701. Pay, Navy, 1925		414,999.11			
5702. Provisions, 1925		66,149.69			
5704. Maintenance, Supplies and Accounts, 1925	113.02	3,486.41			
5708. Fuel and transportation, 1925		34,122.20			
5801. Medical Department, 1925		16.32			
5802. Contingent, Medicine and Surgery, 1925		91.34			
Total current year appropriations	332,601.32	572,206.64	3,870.69	6.94	63.95
All prior year appropriations					
Appropriation purchases account material and industrial overhead	226,457.25	16,967.63	23.82	200.46	6.22
Grand total	559,058.57	589,174.27	3,894.51	207.40	70.17
8805. Prometheus					
8,100. Jan. 15, 1910 (3)					
5101. Pay, miscellaneous, 1925		30.05			
5309. Instruments and supplies, 1925	5.40	162.76			.54
5401. Ordnance and ordnance stores, 1925		242.44			
5501. Construction and Repair, 1925		6,309.94	2,928.56		
5601. Engineering, 1925		5,928.01	257.28		
5701. Pay, Navy, 1925		118,459.04			
5702. Provisions, 1925		22,128.67			
704. Maintenance, Supplies and Accounts, 1925		624.28			
5708. Fuel and transportation, 1925		8,060.44			
5801. Medical Department, 1925		10.16			
5802. Contingent, Medicine and Surgery, 1925		28.00			
Total current year appropriations	5.40	161,983.79	3,185.84		.54
All prior year appropriations		16.05			
Appropriation purchases account material and industrial overhead	*355,166.07*	7,583.16	763.51		
Grand total	*355,160.67*	169,583.00	3,949.35		.54
8807. Vestal					
12,585. Oct. 4, 1909 (12)					
5101. Pay, miscellaneous, 1925		85.92			
5309. Instruments and supplies, 1925	4,023.16	196.03	26.67		225.44
5327. Recreation, 1925		42.05			
5401. Ordnance and ordnance stores, 1925	192.00	945.25	279.75		315.14
5501. Construction and Repair, 1925	16,155.72	13,211.00	12,560.85	617.33	2,584.95
5601. Engineering, 1925	3,039.41	10,934.51	13,606.63	1,439.37	736.68
5701. Pay, Navy, 1925		539,794.39			
5702. Provisions, 1925		95,585.38			
5704. Maintenance, Supplies and Accounts, 1925	241.57	2,982.75			4.35
5708. Fuel and transportation, 1925		44,488.88			
5802. Contingent, Medicine and Surgery, 1925		120.36			
Total current year appropriations	23,651.86	708,386.52	26,473.90	2,056.70	3,866.56
All prior year appropriations	6,140.70	126.84			
Appropriation purchases account material and industrial overhead	*60,076.89*	40,007.66	2,069.70	1,665.74	35.38
Grand total	*30,284.33*	748,521.02	28,543.60	3,722.44	3,901.94

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, STORESHIPS					
8555. Arctic					
12,600. Nov. 7, 1921 (12)					
5101. Pay, miscellaneous, 1925		$44.39			
5309. Instruments and supplies, 1925	$69.21	1,204.79			$141.70
5327. Recreation, 1925		98.85			
5501. Construction and Repair, 1925	15,222.06	9,865.26	$6,229.56	$3,586.65	1,471.57
5601. Engineering, 1925	2,166.23	6,472.67	7,423.89	3,595.45	1,864.01
5701. Pay, Navy, 1925		205,007.42			
5702. Provisions, 1925		36,753.57			
5704. Maintenance, Supplies and Accounts, 1925	845.95	1,220.05			14.00
5708. Fuel and transportation, 1925		56,217.32			
5801. Medical Department, 1925		48.68			
5802. Contingent, Medicine and Surgery, 1925		61.63			
5815. Naval hospital fund		1,691.12			
Total current year appropriations	18,303.45	318,685.75	13,653.45	7,182.10	3,491.28
All prior year appropriations				4,913.65	
Appropriation purchases account material and industrial overhead	*15,943.85*	16,485.27	2,243.74	784.47	149.07
Grand total	2,359.60	335,171.02	15,897.19	12,880.22	3,640.35
8510. Bridge					
8,500. June 2, 1917 (12)					
5101. Pay, miscellaneous, 1925		103.02			
5102. Contingent, Navy		5.00			
5309. Instruments and supplies, 1925	456.15	819.91			98.20
5327. Recreation, 1925		15.70			
5401. Ordnance and ordnance stores, 1925	3.28	326.72		558.17	2.52
5501. Construction and Repair, 1925	11,111.62	12,048.48	6,262.78	5,119.65	2,870.20
5601. Engineering, 1925	6,125.37	6,678.43	13,378.79	3,883.61	618.06
5701. Pay, Navy, 1925		241,654.17			
5702. Provisions, 1925		43,980.95			
5704. Maintenance, Supplies and Accounts, 1925	1,209.37	1,390.61			27.82
5708. Fuel and transportation, 1925		58,437.83			
5801. Medical Department, 1925		44.50			
5802. Contingent, Medicine and Surgery, 1925		116.27			
Total current year appropriations	18,905.79	365,621.59	19,641.57	9,561.43	3,616.80
Appropriation purchases account material and industrial overhead	*61,735.98*	20,229.47	3,169.17	746.71	208.71
Grand total	*42,830.19*	385,851.06	22,810.74	10,308.14	3,825.51
1978. Rappahannock					
15,200. Dec. 8, 1917 (5)					
5309. Instruments and supplies, 1925	6.55	313.55			67.50
5401. Ordnance and ordnance stores, 1925		1.49			
5501. Construction and Repair, 1925	112.46	6,277.61	3,661.95		
5601. Engineering, 1925	11.00	5,282.71	654.38		
5701. Pay, Navy, 1925		110,604.11			
5702. Provisions, 1925		23,011.00			
5704. Maintenance, Supplies and Accounts, 1925	112.39	329.62			
5708. Fuel and transportation, 1925		16,588.42			
5801. Medical Department, 1925		15.00			
5802. Contingent, Medicine and Surgery, 1925		28.23			
Total current year appropriations	242.40	162,451.74	4,316.33		67.50
Appropriation purchases account material and industrial overhead	*303,740.28*	236.32	1,041.35		
Grand total	*303,497.88*	162,688.06	5,357.68		67.50

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, COLLIERS					
8412. Jason					
19,250. June 26, 1913 (12)					
5101. Pay, miscellaneous, 1925		$107.32			
5309. Instruments and supplies, 1925	$679.50	2,043.53	$250.32		
5327. Recreation, 1925		171.60			
5401. Ordnance and ordnance stores, 1925		66.55	76.86		$1,320.62
5501. Construction and Repair, 1925	7,391.92	13,974.57	41,586.65	$3,399.42	4,126.49
5601. Engineering, 1925	2,375.66	9,381.23	19,517.08		1,017.50
5701. Pay, Navy, 1925		187,282.00			
5702. Provisions, 1925		35,596.87			
5704. Maintenance, Supplies and Accounts, 1925	520.48	795.47			104.90
5708. Fuel and transportation, 1925		86,504.51			
5801. Medical Department, 1925		8.00			
5802. Contingent, Medicine and Surgery, 1925		59.09			
Total current year appropriations	10,967.56	335,990.74	61,430.91	3,399.42	6,569.51
Appropriation purchases account material and industrial overhead	2,125.76	8,038.09	9,960.79	379.77	821.52
Grand total	13,093.32	344,028.83	71,391.70	3,779.19	7,391.03
8411. Orion					
19,250. July 29, 1912 (12)					
5101. Pay, miscellaneous, 1925		127.25			
5309. Instruments and supplies, 1925	510.95	6,315.79	500.64		
5401. Ordnance and ordnance stores, 1925	28.20	206.42			791.34
5501. Construction and Repair, 1925	3,976.74	12,443.94	35,484.01	*71.72*	7,464.88
5601. Engineering, 1925	2,032.12	7,781.93	65,322.10	47.20	510.87
5701. Pay, Navy, 1925		199,835.03			
5702. Provisions, 1925		35,320.73			
5704. Maintenance, Supplies and Accounts, 1925	972.80	1,056.55			18.12
5708. Fuel and transportation, 1925		62,826.70			
5802. Contingent, Medicine and Surgery, 1925		46.88			
5901. Pay, Marine Corps, 1925		1,030.26			
Total current year appropriations	7,520.81	326,991.48	101,306.75	*24.52*	8,785.21
All prior year appropriations	2,000.00				
Appropriation purchases account material and industrial overhead	*12,465.07*	7,156.56	48,005.11	*34.41*	350.77
Grand total	*2,944.26*	334,148.04	149,311.86	*58.93*	9,135.98
AUXILIARIES, OILERS					
8416. Brazos					
14,800. Oct. 1, 1919 (12)					
5101. Pay, miscellaneous		104.23			
5309. Instruments and supplies, 1925	177.22	4,148.23			24.69
5327. Recreation, 1925		20.00			
5401. Ordnance and ordnance stores, 1925	26.23				2.04
5501. Construction and Repair, 1925	11,775.02	9,813.86	17,594.37	560.66	3,674.87
5601. Engineering, 1925	1,425.75	7,752.50	15,564.01	4,959.58	279.05
5701. Pay, Navy, 1925		174,632.52			
5702. Provisions, 1925		23,941.41			
5704. Maintenance, Supplies and Accounts, 1925	661.07	1,036.05			69.71
5708. Fuel and transportation, 1925		85,207.80			
5801. Medical Department, 1925		10.50			
5802. Contingent, Medicine and Surgery, 1925		56.47			
Total current year appropriations	14,065.29	306,723.57	33,158.38	5,520.24	4,050.36
All prior year appropriations		3,678.80			
Appropriation purchases account material and industrial overhead	*5,730.49*	5,593.23	11,085.36	191.76	235.86
Grand total	8,334.80	315,995.60	44,243.74	5,712.00	4,286.22

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, OILERS—continued					
8415. Cuyama					
14,500. Apr. 2, 1917 (12)					
5101. Pay, miscellaneous, 1925		$189.57			
5309. Instruments and supplies, 1925	$805.30	660.90			$113.28
5327. Recreation, 1925		17.50			
5401. Ordnance and ordnance stores, 1925		267.41	$0.31		536.99
5501. Construction and Repair, 1925	16,604.96	12,419.60	27,768.59	$10,066.18	3,527.36
5601. Engineering, 1925	6,453.35	6,548.76	22,538.72	*343.30*	1,482.28
5701. Pay, Navy, 1925		158,331.98			
5702. Provisions, 1925		28,366.10			
5704. Maintenance, Supplies and Accounts, 1925	538.46	945.77			
5708. Fuel and transportation, 1925		72,641.82			
5801. Medical Department, 1925		14.00			
5802. Contingent, Medicine and Surgery, 1925		30.88			
Total current year appropriations	24,402.07	280,434.29	50,307.62	9,722.88	5,659.91
All prior year appropriations				20,344.40	
Appropriation purchases account material and industrial overhead	*22,246.56*	21,559.57	11,107.33	2,010.54	1,040.61
Grand total	2,155.51	301,993.86	61,414.95	32,077.82	6,700.52
8413. Kanawha					
14,500. June 5, 1915 (12)					
5101. Pay, miscellaneous, 1925		46.80			
5309. Instruments and supplies, 1925	571.98	75.56			37.24
5327. Recreation, 1925		175.12			
5401. Ordnance and ordnance stores, 1925	171.05	223.50			38.88
5501. Construction and Repair, 1925	5,952.47	10,927.63	10,930.23	1,249.48	1,385.28
5601. Engineering, 1925	407.27	6,856.86	17,727.17	115.82	2,002.98
5701. Pay, Navy, 1925		160,552.04			
5702. Provisions, 1925		25,934.97			
5704. Maintenance, Supplies and Accounts, 1925	572.62	836 94			
5708. Fuel and transportation, 1925		43,325 15			
5801. Medical Department, 1925					
5802. Contingent, Medicine and Surgery, 1925		29.24			
Total current year appropriations	7,675.39	248,983.81	28,657.40	1,365.30	3,464.38
All prior year appropriations		21.00			
Appropriation purchases account material and industrial overhead	538.86	4,696.66	8,325.65	8.62	347.28
Grand total	8,214.25	253,701.47	36,983.05	1,373.92	3,811.66
8417. Neche					
14,800. Oct. 25, 1920 (12)					
5101. Pay, miscellaneous, 1925		23.48			
5309. Instruments and supplies, 1925	84.06	215.94			.31
5327. Recreation, 1925		111.39			
5401. Ordnance and ordnance stores, 1925	96.88	215.57			2.50
5501. Construction and Repair, 1925	11,117.34	5,707.32	4,864.12	685.71	1,937.42
5601. Engineering, 1925	4,150.27	3,670.23	14,020.08	197.50	3,212.77
5701. Pay, Navy, 1925		159,597.57			
5702. Provisions, 1925		27,616.51			
5704. Maintenance, Supplies and Accounts, 1925	532.63	641.71			69.80
5708. Fuel and transportation, 1925		62,057.91			
Total current year appropriations	15,981.18	259,857.63	18,884.20	883.21	5,222.80
All prior year appropriations	1,170.15	80.75			
Appropriation purchases account material and industrial overhead	*8,780.40*	9,353.63	2,594.95	*5.34*	348.32
Grand total	8,370.93	269,292.01	21,479.15	877.87	5,571.12

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, OILERS—continued					
4854. Patoka					
16,800. Oct. 13, 1919 (12)					
5101. Pay, miscellaneous, 1925		$55.39			
5309. Instruments and supplies, 1925	$774.46	3,231.59			$12.10
5327. Recreation, 1925		20.00			
5401. Ordnance and ordnance stores, 1925		144.11		*$5.20*	7.68
5501. Construction and Repair, 1925	29,289.34	11,856.06	$779.87	16,271.10	133.80
5601. Engineering, 1925	6,616.20	7,426.43	1,834.36	3,364.87	318.65
5701. Pay, Navy, 1925		169,976.75			
5702. Provisions, 1925		29,017.93			
5704. Maintenance, Supplies and Accounts, 1925	1,231.99	1,304.71			60.63
5708. Fuel and transportation, 1925		53,212.46			
5801. Medical Deprtment, 1925		36.50			
5802. Contingent, Medicine and Surgery, 1925		50.22			
Total current year appropriations	37,911.99	276,332.15	2,614.23	19,630.77	532.86
Appropriation purchases account material and industrial overhead	18,063.54	13,681.71	3,866.19	4,305.26	11.26
Grand total	55,975.53	290,013.86	6,480.42	23,936.03	544.12
8418. Pecos					
14,800. Aug. 25, 1921 (12)					
5101. Pay, miscellaneous, 1925		84.38			
5309. Instruments and supplies, 1925	453.20	460.54			15.31
5327. Recreation, 1925		120.00			
5401. Ordnance and ordnance stores, 1925	109.39	161.61			98.05
5501. Construction and Repair, 1925	5,678.59	12,205.44	3,139.22	319.29	1,099.50
5601. Engineering, 1925	1,873.26	7,569.74	3,613.31		212.76
5701. Pay, Navy, 1925		136,647.16			
5702. Provisions, 1925		24,666.42			
5704. Maintenance, Supplies and Accounts, 1925	113.36	810.21			
5708. Fuel and transportation, 1925		99,684.24			
5801. Medical Department, 1925		51.98			
5802. Contingent, Medicine and Surgery, 1925		40.08			
Total current year appropriations	8,227.80	282,501.80	6,752.53	319.29	1,425.62
Appropriation purchases account material and industrial overhead	*9,427.07*	12,768.40	1,603.35	20.42	386.41
Grand total	*1,199.27*	295,270.20	8,355.88	339.71	1,812.03
4855. Ramapo					
16,800. Nov. 15, 1919 (12)					
5101. Pay, miscellaneous, 1925		51.10			
5309. Instruments and supplies, 1925	414.05	5,098.25			165.83
5327. Recreation, 1925		35.25			
5401. Ordnance and ordnance stores, 1925		92.62			670.18
5501. Construction and Repair, 1925	5,703.53	9,084.40	10,441.26	4,041.93	566.93
5601. Engineering, 1925	1,737.31	4,503.58	8,996.40	.63	389.98
5701. Pay, Navy, 1925		133,570.98			
5702. Provisions, 1925		19,999.90			
5704. Maintenance, Supplies and Accounts, 1925	531.21	829.62			
5708. Fuel and transportation, 1925		56,314.38			
Total current year appropriations	8,386.10	229,580.08	19,437.66	4,042.56	1,792.92
All prior year appropriations		138.91			
Appropriation purchases account material and industrial overhead	*7,556.24*	7,525.50	2,218.25	381.30	355.44
Grand total	829.86	237,244.49	21,655.91	4,423.86	2,148.36

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, OILERS—continued					
8461. Robert L. Barnes					
3,850. June 29, 1918 (12)					
5309. Instruments and supplies, 1925	$1.70	$11.46			
5401. Ordnance and ordnance stores 1925		75.93			
5501. Construction and Repair, 1925	1,510.54	1,032.07	$340.34		$412.93
5601. Engineering, 1925	62.40	1,524.49	140.30		79.21
5701. Pay, Navy, 1925		25,406.68			
5702. Provisions, 1925		6,466.24			
5704. Maintenance, Supplies and Accounts, 1925		137.61			
5708. Fuel and transportation, 1925		4,186.62			
Total current year appropriations	1,574.64	38,841.10	480.64		492.14
All prior year appropriations	67.50	5,418.48			26.00
Appropriation purchases account material and industrial overhead	*3,176.88*	3,176.88			
Grand total	*1,534.74*	47,436.46	480.64		518.14
4858. Sapelo					
16,800. Feb. 19, 1920 (12)					
5101. Pay, miscellaneous, 1925		42.32			
5309. Instruments and supplies, 1925	577.39	7,081.16			
5327. Recreation, 1925		195.75			
5401. Ordnance and ordnance stores, 1925		56.65			
5501. Construction and Repair, 1925	8,898.04	9,818.92	12,771.57	$4,666.56	2,189.38
5601. Engineering, 1925	510.84	6,051.18	12,204.44	1,923.91	391.05
5701. Pay, Navy, 1925		139,447.16			
5702. Provisions, 1925		21,535.38			
5704. Maintenance, Supplies and Accounts, 1925	336.87	1,011.19			107.27
5708. Fuel and transportation, 1925		64,403.07			
5802. Contingent, Medicine and Surgery, 1925		33.07			
Total current year appropriations	10,323.14	249,675.85	24,976.01	6,590.47	2,687.70
All prior year appropriations			71.52		
Appropriation purchases account material and industrial overhead	*9,218.89*	8,878.74	19,220.72	1,975.30	254.39
Grand total	1,104.25	258,554.59	44,268.25	8,565.77	2,942.09
8458. Sara Thompson					
5,836. Aug. 8, 1918 (12)					
5309. Instruments and supplies, 1925	1.70	15.58			74.73
5327. Recreation, 1925		198.25			
5401. Ordnance and ordnance stores, 1925		109.09	11.55		5.41
5501. Construction and Repair, 1925	23.88	1,402.48	2,491.98		533.58
5601. Engineering, 1925	116.58	1,492.93	1,877.21	8.00	694.13
5701. Pay, Navy, 1925		22,293.53			
5702. Provisions, 1925		7,227.13			
5704. Maintenance, Supplies and Accounts, 1925	29.94	187.02			
5708. Fuel and transportation, 1925		6,889.56			
Total current year appropriations	172.10	39,815.57	4,380.74	8.00	1,307.85
All prior year appropriations	*4.76*	173.13			
Appropriation purchases account material and industrial overhead	*558.52*	780.07	447.05		412.63
Grand total	*391.18*	40,768.77	4,827.79	8.00	1,720.48

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, AMMUNITION SHIPS					
8892. Nitro					
10,600. Apr. 1, 1921 (12)					
5101. Pay, miscellaneous, 1925		$55.22			
5309. Instruments and supplies, 1925	$564.88	1,316.45	$69.53	$6,311.22	$169.41
5327. Recreation, 1925		110.65			
5401. Ordnance and ordnance stores, 1925		459.74	380.40	472.67	212.85
5501. Construction and Repair, 1925	4,806.07	10,759.51	17,937.13	3,482.71	1,294.94
5601. Engineering, 1925	993.99	7,344.92	7,574.76	4,032.91	244.25
5701. Pay, Navy, 1925		261,461.98			
5702. Provisions, 1925		48,417.17			
5704. Maintenance, Supplies and Accounts, 1925	1,123.23	1,112.58			53.86
5708. Fuel and transportation, 1925		79,946.10			
5801. Medical Department, 1925		49.39			
5802. Contingent, Medicine and Surgery, 1925		141.82			
Total current year appropriations	7,488.17	411,175.53	25,961.82	14,299.51	1,975.31
All prior year appropriations		1.00			
Appropriation purchases account material and industrial overhead	*9,568.63*	12,292.42	4,703.17	3,431.50	274.10
Grand total	*2,080.46*	423,468.95	30,664.99	17,731.01	2,249.41
8891. Pyro					
10,600. Aug. 10, 1920 (2)					
5401. Ordnance and ordnance stores, 1925		3.25			412.25
5501. Construction and Repair, 1925		1,448.36	2,753.38		
5601. Engineering, 1925		968.82	984.36		
5701. Pay, Navy, 1925		31,451.15			
5702. Provisions, 1925		5,291.40			
5704. Maintenance, Supplies and Accounts, 1925		7.55			
5708. Fuel and transportation, 1925		2,989.30			
5802. Contingent, Medicine and Surgery, 1925		4.27			
Total current year appropriations		42,164.10	3,737.74		412.25
All prior year appropriations		*27.46*			
Appropriation purchases account material and industrial overhead	*201,314.57*	2,250.39	563.68		61.07
Grand total	*201,314.57*	44,387.03	4,301.42		473.32
AUXILIARIES, CARGO SHIPS					
1106. Beaufort					
4,565. Sept. 20, 1917 (12)					
5101. Pay, miscellaneous, 1925		3.97			
5309. Instruments and supplies, 1925	1,467.74	471.73	155.00		
5327. Recreation, 1925		112.20			
5401. Ordnance and ordnance stores, 1925		4.49			
5501. Construction and Repair, 1925	2,535.90	4,406.39	6,416.77	3.42	260.65
5601. Engineering, 1925	282.24	3,869.96	3,935.55	2,710.54	108.12
5701. Pay, Navy, 1925		125,508.94			
5702. Provisions, 1925		16,052.99			
5704. Maintenance, Supplies and Accounts, 1925	541.42	561.85			
5708. Fuel and transportation, 1925		14,838.39			
5801. Medical Department, 1925		2.25			
5802. Contingent, Medicine and Surgery, 1925		92.15			
Total current year appropriations	4,827.30	165,925.31	10,507.32	2,713.96	368.77
All prior year appropriations		37.75			
Appropriation purchases account material and industrial overhead	*5,634.90*	3,411.88	3,380.93	412.05	52.29
Grand total	*807.60*	169,374.94	13,888.25	3,126.01	421.06

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, CARGO SHIPS—continued					
8556. Capella					
11,450. Dec. 8, 1921 (2)					
5309. Instruments and supplies, 1925	$1.15				
5501. Construction and Repair, 1925		$1,095.44	$128.04		
5601. Engineering, 1925	6.84	184.72	53.52		
5701. Pay, Navy, 1925		16,088.82			
5702. Provisions, 1925		2,080.90			
5704. Maintenance, Supplies and Accounts, 1925		18.13			
5708. Fuel and transportation, 1925		1,730.28			
Total current year appropriations	7.99	21,198.29	181.56		
Appropriation purchases account material and industrial overhead	*20,291.74*	5.03			
Grand total	*20,283.75*	21,203.32	181.56		
1569. Kittery					
3,330. July 6, 1917 (12)					
5101. Pay, miscellaneous, 1925		16.63			
5309. Instruments and supplies, 1925	311.58	198.49			
5401. Ordnance and ordnance stores, 1925		7.44			
5501. Construction and Repair, 1925	3,169.09	12,806.52	21,668.82	$2,882.86	$850.85
5601. Engineering, 1925	581.67	7,489.95	10,368.33	1,763.25	714.67
5701. Pay, Navy, 1925		147,725.52			
5702. Provisions, 1925		27,689.21			
5704. Maintenance, Supplies and Accounts, 1925	164.18	721.32			68.52
5708. Fuel and transportation, 1925		42,929.19			
5801. Medical Department, 1925		200.00			
5802. Contingent, Medicine and Surgery, 1925		140.45			
Total current year appropriations	4,226.52	239,924.72	32,037.15	4,646.11	1,634.04
All prior year appropriations		34.18			
Appropriation purchases account material and industrial overhead	*7,998.65*	3,754.34	2,379.51	641.85	134.41
Grand total	*3,772.13*	243,713.24	34,416.66	5,287.96	1,768.45
1833. Newport News					
10,000. July 14, 1917 (1)					
5309. Instruments and supplies, 1925	1.15	164.25			
5501. Construction and Repair, 1925		454.87	289.21		
5601. Engineering, 1925		306.16	126.24		
5701. Pay, Navy, 1925		11,607.91			
5702. Provisions, 1925		1,244.32			
5704. Maintenance, Supplies and Accounts, 1925		10.22			
5708. Fuel and transportation, 1925		676.55			
Total current year appropriations	1.15	14,464.28	415.45		
Appropriation purchases account material and industrial overhead	*32,706.35*	120.29	53.17		
Grand total	*32,705.20*	14,584.57	468.62		
8562. Sirius					
11,450. Jan. 20, 1922 (12)					
5101. Pay, miscellaneous, 1925		26.50			
5309. Instruments and supplies, 1925	750.10	1,054.64			118.74
5327. Recreation, 1925		52.60			
5401. Ordnance and ordnance stores, 1925		65.23			
5501. Construction and Repair, 1925	11,812.61	10,242.29	12,888.70	619.18	1,133.72
5601. Engineering, 1925	3,487.69	4,265.71	14,330.49	772.14	662.53
5701. Pay, Navy, 1925		170,520.06			
5702. Provisions, 1925		37,028.49			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, CARGO SHIPS—continued					
8562. Sirius—Continued					
5704. Maintenance, Supplies and Accounts, 1925	$944.87	$914.93			$42.97
5708. Fuel and transportation, 1925		48,350.29			
5801. Medical Department, 1925		69.00			
5802. Contingent, Medicine and Surgery, 1925		88.38			
5901. Pay, Marine Corps, 1925		230.07			
Total current year appropriations	16,995.27	272,908.19	$27,219.19	$1,391.32	1,957.96
All prior year appropriations		3.72			
Appropriation purchases account material and industrial overhead	*14,483.85*	12,226.92	6,165.96	641.99	289.98
Grand total	2,511.42	285,138.83	33,385.15	2,033.31	2,247.94
8561. Vega					
11,450. Sept. 21, 1921 (12)					
5101. Pay, miscellaneous, 1925		44.80			
5309. Instruments and supplies, 1925	173.12	1,410.13			40.84
5401. Ordnance and ordnance stores, 1925		25.00			
5501. Construction and Repair, 1925	13,303.41	7,758.61	15,463.37	1,998.72	1,034.15
5601. Engineering, 1925	2,821.97	3,312.11	24,206.09	439.61	861.58
5701. Pay, Navy, 1925		178,775.23			
5702. Provisions, 1925		28,499.14			
5704. Maintenance, Supplies and Accounts, 1925	391.60	908.40			
5708. Fuel and transportation, 1925		71,228.90			
5802. Contingent, Medicine and Surgery, 1925		30.24			
5901. Pay, Marine Corps		2,147.19			
Total current year appropriations	16,690.10	294,139.75	39,669.46	2,438.33	1,936.57
All prior year appropriations	2,378.37	22,284.99		2.00	49.00
Appropriation purchases account material and industrial overhead	*11,605.53*	8,891.80	4,919.79	355.97	236.57
Grand total	7,462.94	325,316.54	44,589.25	2,796.30	2,222.14
AUXILIARIES, TRANSPORTS					
1252. Chaumont					
13,400. Nov. 22, 1921 (12)					
5101. Pay, miscellaneous, 1925		72.40			
5309. Instruments and supplies, 1925	4,541.36	2,998.64	21.20		1,158.38
5310. Ocean and lake surveys, 1925		2.27			
5401. Ordnance and ordnance stores, 1925		99.23			8.64
5501. Construction and Repair, 1925	14,262.70	19,004.99	19,516.40	7,328.87	3,118.06
5601. Engineering, 1925	2,813.80	8,356.15	48,506.43	3,165.91	1,416.50
5701. Pay, Navy, 1925		449,482.07			
5702. Provisions, 1925		120,167.38			
5704. Maintenance, Supplies and Accounts, 1925	2,697.40	3,334.60			27.48
5708. Fuel and transportation, 1925		163,191.80			
5801. Medical Department, 1925		64.02			
5802. Contingent, Medicine and Surgery, 1925		172.02			
Total current year appropriations	24,315.26	766,945.57	68,044.03	10,494.78	5,729.06
All prior year appropriations					
Appropriation purchases account material and industrial overhead	*17,582.06*	14,791.06	7,131.31	818.34	740.62
Grand total	6,733.20	781,736.63	75,175.34	11,313.12	6,469.68

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, TRANSPORTS—continued					
8501. Henderson					
10,000. May 24, 1917 (12)					
5101. Pay, miscellaneous, 1925		$209.01			
5309. Instruments and supplies, 1925	$5,027.71	2,356.35			$114.90
5327. Recreation, 1925		190.15			
5401. Ordnance and ordnance stores, 1925	365.45	238.91	$340.17		.03
5501. Construction and Repair, 1925	22,984.83	16,440.99	14,878.44	$1,545.26	2,844.40
5601. Engineering, 1925	2,895.70	12,816.86	21,040.73	3,965.69	355.96
5701. Pay, Navy, 1925		432,864.96			
5702. Provisions, 1925		120,285.50			
5704. Maintenance, Supplies and Accounts, 1925	1,839.56	2,410.44			7.12
5708. Fuel and transportation, 1925		157,014.98			
5801. Medical Department, 1925		54.00			
5802. Contingent, Medicine and Surgery, 1925		174.99			
Total current year appropriations	33,113.25	745,057.14	36,259.34	5,510.95	3,322.41
All prior year appropriations		15.03			
Appropriation purchases account material and industrial overhead	*40,789.13*	44,492.00	5,819.92	11,589.82	301.29
Grand total	7,675.88	789,564.17	42,079.26	17,100.77	3,623.70
AUXILIARIES, HOSPITAL SHIPS					
8578. Mercy					
10,100. Jan. 24, 1918 (12)					
5101. Pay, miscellaneous, 1925		84.02			
5309. Instruments and supplies, 1925	2,093.70	13.89			66.75
5501. Construction and Repair, 1925	2,941.41	9,533.01	10,524.46	16,092.22	570.95
5601. Engineering, 1925	3,042.51	7,009.79	8,491.01	1,454.54	196.96
5701. Pay, Navy, 1925		289,179.00			
5702. Provisions, 1925		41,389.56			
5704. Maintenance, Supplies and Accounts, 1925	1,245.07	1,427.66			51.88
5708. Fuel and transportation, 1925		19,830.15			
5802. Contingent, Medicine and Surgery, 1925		52.73			
5815. Naval hospital fund		269.84			
Total current year appropriations	9,322.69	368,789.65	19,015.47	17,546.76	886.54
All prior year appropriations	92.36				
Appropriation purchases account material and industrial overhead	*24,651.47*	22,109.38	1,947.14	1,914.87	1.36
Grand total	*15,236.42*	390,899.03	20,962.61	19,461.63	887.90
8576. Relief					
9,800. Dec. 28, 1920 (12)					
5101. Pay, miscellaneous, 1925		398.32			
5309. Instruments and supplies, 1925	1,201.73	128.37			242.80
5327. Recreation, 1925		25.00			
5501. Construction and Repair, 1925	7,762.86	12,844.19	14,132.65	5,208.47	7,078.20
5601. Engineering, 1925	3,148.34	9,806.99	14,470.48	3,172.11	2,992.12
5701. Pay, Navy, 1925		544,777.04			
5702. Provisions, 1925		88,373.87			
5704. Maintenance, Supplies and Accounts, 1925	2,457.99	1,543.76			263.25
5708. Fuel and transportation, 1925		50,403.61			
5801. Medical Department, 1925		19,126.59			
5802. Contingent, Medicine and Surgery, 1925		342.27			
5815. Naval hospital fund		*4,890.37*			
Total current year appropriations	14,570.92	722,879.64	28,603.13	8,380.58	10,576.37
Appropriation purchases account material and industrial overhead	*21,092.10*	31,182.22	1,828.49	220.99	641.77
Grand total	*6,521.18*	754,061.86	30,431.62	8,601.57	11,218.14

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS					
7034. Algorma					
998. —— (9)					
5309. Instruments and supplies 1925	$1,352.40	$96.17	----------	----------	$17.79
5401. Ordnance and ordnance stores, 1925	----------	164.73	----------	----------	----------
5501. Construction and Repair, 1925	13,622.23	5,527.77	$14,466.12	$3,449.27	269.32
5601. Engineering, 1925	5,444.23	4,064.40	16,516.47	6,617.75	773.12
5701. Pay, Navy, 1925	----------	43,185.22	----------	----------	----------
5702. Provisions, 1925	----------	8,752.34	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	469.43	583.04	----------	----------	----------
5708. Fuel and transportation, 1925	----------	9,391.88	----------	----------	----------
Total current year appropriations	20,888.29	71,765.55	30,982.59	10,067.02	1,060.23
Appropriation purchases account material and industrial overhead	118.63	1,644.02	5,187.86	1,466.64	207.24
Grand total	21,006.92	73,409.57	36,170.45	11,533.66	1,267.47
7019. Allegheny					
1,000. Dec. 5, 1918 (12)					
5309. Instruments and supplies 1925	11.64	106.99	----------	----------	----------
5327. Recreation, 1925	----------	39.75	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	97.93	----------	----------	----------
5501. Construction and Repair, 1925	860.23	1,259.18	2,703.61	713.27	87.33
5601. Engineering, 1925	129.19	1,553.37	4,618.54	83.88	37.83
5701. Pay, Navy, 1925	----------	36,214.06	----------	----------	----------
5702. Provisions, 1925	----------	7,290.40	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	41.66	167.89	----------	----------	----------
5708. Fuel and transportation, 1925	----------	10,434.76	----------	----------	----------
Total current year appropriations	1,042.72	57,164.33	7,322.15	797.15	125.16
All prior year appropriations	----------	1,954.22	----------	----------	----------
Appropriation purchases account, material and industrial overhead	*3,463.20*	3,422.37	331.09	14.30	----------
Grand total	*2,420.48*	62,540.92	7,653.24	811.45	125.16
7021. Bagaduce					
1,000. —— (12)					
5309. Instruments and supplies, 1925	*11.56*	26.97	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	107.87	----------	----------	----------
5501. Construction and Repair	423.62	1,386.95	2,041.06	----------	118.39
5601. Engineering, 1925	90.07	1,619.01	14,816.83	15.76	114.70
5701. Pay, Navy, 1925	----------	17,235.73	----------	----------	----------
5702. Provisions, 1925	----------	1,999.46	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	184.93	----------	----------	15.81
5708. Fuel and transportation, 1925	----------	11,472.84	----------	----------	----------
Total current year appropriations	502.13	34,033.76	16,857.89	15.76	248.90
All prior year appropriations	1,399.32	3,034.12	----------	----------	----------
Appropriation purchases account material and industrial overhead	*474.43*	913.91	2,139.88	1.56	142.12
Grand total	1,427.02	37,981.79	18,997.77	17.32	391.02
7217. Bay Spring					
775. Nov. 10, 1921 (12)					
5309. Instruments and supplies, 1925	56.03	1,016.98	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	118.80	----------	----------	----------
5501. Construction and Repair, 1925	1,296.99	1,532.30	1,808.61	----------	----------
5601. Engineering, 1925	42.28	2,243.20	2,699.85	----------	----------
5701. Pay, Navy, 1925	----------	29,940.98	----------	----------	----------
5702. Provisions, 1925	----------	9,102.26	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	120.96	203.67	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7217. Bay Spring—Continued					
5708. Fuel and transportation, 1925	----------	$14,611.55	----------	----------	----------
Total current year appropriations	$1,516.26	58,769.74	$4,508.46	----------	----------
All prior year appropriations	----------	1,064.02	----------	----------	----------
Appropriation purchases account material and industrial overhead	*605.71*	556.16	3.15	----------	----------
Grand total	910.55	60,389.92	4,511.61	----------	----------
7657. Challenge					
515. —— (4)					
5309. Instruments and supplies, 1925	170.36	4.94	----------	----------	$2.95
5401. Ordnance and ordnance stores, 1925	----------	34.60	----------	----------	----------
5501. Construction and Repair, 1925	1,369.88	444.73	2,083.61	$1,068.44	190.13
5601. Engineering, 1925	766.49	585.52	587.18	205.04	----------
5701. Pay, Navy, 1925	----------	6,329.77	----------	----------	----------
5702. Provisions, 1925	----------	1,595.86	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	1.22	59.29	----------	----------	----------
5708. Fuel and transportation, 1925	----------	987.16	----------	----------	----------
Total current year appropriations	2,307.95	10,041.87	2,670.79	1,273.48	193.08
Appropriation purchases account material and industrial overhead	2,887.13	414.53	408.20	100.35	16.59
Grand total	5,195.08	10,456.40	3,078.99	1,373.83	209.67
7018. Chemung					
375. Mar. 4, 1917 (12)					
5309. Instruments and supplies, 1925	861.18	15.67	----------	----------	20.04
5401. Ordnance and ordnance stores, 1925	----------	109.68	----------	----------	----------
5501. Construction and Repair, 1925	112.15	1,409.82	635.27	7.68	26.70
5601. Engineering, 1925	57.16	1,734.32	315.65	15.36	51.70
5702. Provisions, 1925	----------	4,770.26	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	39.03	187.97	----------	----------	----------
5708. Fuel and transportation, 1925	----------	6,686.99	----------	----------	----------
Total current year appropriations	1,069.52	14,914.71	950.92	23.04	98.44
All prior year appropriations	*130.72*	596.46	55.00	----------	----------
Appropriation purchases account material and industrial overhead	*1,458.53*	387.62	807.79	----------	6.57
Grand total	*519.73*	15,898.79	1,813.71	23.04	105.01
7086. Contocook					
969. Aug. 20, 1920 (12)					
5101. Pay, miscellaneous, 1925	----------	.60	----------	----------	----------
5309. Instruments and supplies, 1925	415.72	19.48	----------	----------	----------
5327. Recreation, 1925	----------	178.75	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	136.17	----------	----------	----------
5501. Construction and Repair, 1925	4,549.83	1,750.51	3,349.36	21.36	284.37
5601. Engineering, 1925	725.04	2,396.91	9,200.61	55.99	291.92
5701. Pay; Navy, 1925	----------	51,319.88	----------	----------	----------
5702. Provisions, 1925	----------	11,319.82	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	227.31	233.41	----------	----------	----------
5708. Fuel and transportation, 1925	----------	23,011.48	----------	----------	----------
Total current year appropriations	5,917.90	90,367.01	12,549.97	77.35	576.29
All prior year appropriations	*33.62*	2,342.28	----------	----------	----------
Appropriation purchases account material and industrial overhead	*5,909.30*	5,227.83	3,224.25	7.04	57.70
Grand total	*25.02*	97,937.12	15,774.22	84.39	633.99

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
8738. Genesee					
1,000. Nov. 10, 1917 (12)					
5309. Instruments and supplies, 1925	----------	$24.20	----------	----------	$12.32
5327. Recreation, 1925	----------	198.95	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	172.41	----------	----------	----------
5501. Construction and Repair, 1925	$623.80	2,177.90	$16,616.61	$74.80	681.98
5601. Engineering, 1925	242.38	3,020.06	9,041.16	1,270.51	1,230.44
5701. Pay, Navy, 1925	----------	36,237.29	----------	----------	----------
5702. Provisions, 1925	----------	11,366.19	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	6.63	290.38	----------	----------	----------
5708. Fuel and transportation, 1925	----------	18,482.91	----------	----------	----------
Total current year appropriations	872.81	71,970.29	25,657.77	1,345.31	1,924.74
All prior year appropriations	----------	56.63	----------	----------	----------
Appropriation purchases account material and industrial overhead	*2,286.64*	2,391.52	8,214.12	103.01	791.59
Grand total	*1,413.83*	74,418.44	33,871.89	1,448.32	2,716.33
7376. Iroquois					
702. July 6, 1898 (9)					
5309. Instruments and supplies, 1925	6.00	12.92	----------	----------	18.83
5401 Ordnance and ordnance stores, 1925	----------	90.33	----------	----------	----------
5501. Construction and Repair, 1925	214.24	1,160.94	1,364.19	----------	112.47
5601. Engineering, 1925	61.18	1,312.67	2,786.59	22.40	22.56
5701. Pay, Navy, 1925	----------	28,702.04	----------	----------	----------
5702. Provisions, 1925	----------	3,845.89	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	1.20	154.80	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,432.60	----------	----------	----------
Total current year appropriations	282.62	38,712.19	4,150.78	22.40	153.86
All prior year appropriations	----------	435.04	----------	----------	13.68
Appropriation purchases account material and industrial overhead	*12,093.90*	476.38	582.46	2.90	1.96
Grand total	*11,811.28*	39,623.61	4,733.24	25.30	169.50
7037. Iuka					
969. Oct. 29, 1920 (12)					
5309. Instruments and supplies, 1925	6.00	19.60	----------	----------	24.42
5401. Ordnance and ordnance stores, 1925	----------	137.04	----------	----------	----------
5501. Construction and Repair, 1925	999.94	1,809.68	4,995.10	126.99	----------
5601. Engineering, 1925	88.28	2,282.74	4,184.08	15.76	53.77
5701. Pay, Navy, 1925	----------	27,544.60	----------	----------	----------
5702. Provisions, 1925	----------	7,474.18	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	2.52	234.93	----------	----------	----------
5708. Fuel and transportation, 1925	----------	13,083.46	----------	----------	----------
Total current year appropriations	1,096.74	52,586.23	9,179.18	142.75	78.10
All prior year appropriations	----------	1,745.32	----------	----------	18.09
Appropriation purchases account material and industrial overhead	*796.71*	1,491.35	1,141.45	12.06	9.39
Grand total	300.03	55,822.90	10,320.63	154.81	105.58
7023. Kalmia					
1,000. Nov. 18, 1919 (12)					
5101. Pay, miscellaneous, 1925	----------	5.60	----------	----------	----------
5309. Instruments and Supplies, 1925	619.60	18.18	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	127.40	----------	----------	----------
5501. Construction and Repair, 1925	1,973.00	1,860.35	9,203.99	692.33	353.67
5601. Engineering, 1925	827.58	2,168.83	7,879.00	6,645.99	138.94
5701. Pay, Navy, 1925	----------	41,998.22	----------	----------	----------
5702. Provisions, 1925	----------	9,551.31	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
2073. Kalmia—Continued					
5704 Maintenance, Supplies and Accounts, 1925	$149.12	$218.39			
5708. Fuel and transportation, 1925		20,765.27			
Total current year appropriations	3,569.30	76,713.55	$17,082.99	$7,338.32	$492.61
All prior year appropriations	43.00	2,861.49			
Appropriation purchases account material and industrial overhead	*5,622.79*	1,922.66	2,522.56	3,535.24	103.86
Grand total	*2,010.49*	81,497.70	19,605.55	10,873.56	596.47
7024. Kewaydin					
1,100. Nov. 4, 1919 (12)					
5101. Pay, miscellaneous, 1925		1.95			
5309. Instruments and supplies, 1925	42.00	24.18			
5327. Recreation, 1925		118.25			
5401. Ordnance and ordnance stores, 1925		169.12			
5501. Construction and Repair, 1925	1,385.94	2,184.89	6,826.01	39.60	1,798.14
5601. Engineering, 1925	100.09	2,802.79	7,717.90	114.41	459.74
5701. Pay, Navy, 1925		47,690.75			
5702. Provisions, 1925		8,174.13			
5704. Maintenance, Supplies and Accounts, 1925	38.25	289.95			
5708. Fuel and transportation, 1925		15,836.23			
Total current year appropriations	1,566.28	77,292.24	14,543.91	154.01	2,257.88
All prior year appropriations		2,410.30			
Appropriation purchases account material and industrial overhead	*1,937.87*	1,886.83	1,917.16	1.52	235.79
Grand total	*371.59*	81,589.37	16,461.07	155.53	2,493.67
7031. Koka					
1,000. Feb. 18, 1920 (12)					
5101. Pay, miscellaneous, 1925		9.85			
5309. Instruments and supplies, 1925	25.57	18.16			16.34
5327. Recreation, 1925		137.05			
5401. Ordnance and ordnance stores, 1925		127.11			
5501. Construction and Repair, 1925	293.43	1,634.27	1,217.66	5.84	
5601. Engineering, 1925	121.98	2,028.90	1,110.70	153.09	114.46
5701. Pay, Navy, 1925		36,983.70			
5702. Provisions, 1925		7,819.08			
5704. Maintenance, Supplies and Accounts, 1925	44.97	217.92			13.50
5708. Fuel and transportation, 1925		15,861.35			
Total current year appropriations	485.95	64,837.39	2,328.36	158.93	144.30
All prior year appropriations	72.24	728.23			12.00
Appropriation purchases account material and industrial overhead	*898.65*	776.40	523.15	40.12	40.07
Grand total	*340.46*	66,342.02	2,851.51	199.05	196.37
7029. Mahopec					
1,000. Oct. 20, 1919 (12)					
5309. Instruments and supplies, 1925	182.07	20.32			40.16
5401. Ordnance and ordnance stores, 1925		147.29			
5501. Construction and Repair, 1925	1,129.23	1,829.80	4,022.95	27.81	55.10
5601. Engineering, 1925	64.34	2,246.25	6,494.20	209.66	21.37
5701. Pay, Navy, 1925		34,412.66			
5702. Provisions, 1925		7,907.07			
5704. Maintenance, Supplies and Accounts, 1925	80.05	243.95			
5708. Fuel and transportation, 1925		9,412.61			
Total current year appropriations	1,455.69	56,219.95	10,517.15	237.47	116.63
All prior year appropriations	118.80	1,243.91			
Appropriation purchases account material and industrial overhead	*1,991.86*	1,992.16	1,197.80	16.18	10.99
Grand total	*417.87*	59,456.02	11,714.95	253.65	127.62

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7015. Mohave					
575. ——, 1914 (12)					
5309. Instruments and supplies, 1925	$4.51	$265.60			$16.64
5401. Ordnance and ordnance stores, 1925		141.41			
5501. Construction and Repair, 1925	169.67	1,817.97	$3,599.84	$68.82	62.00
5601. Engineering, 1925	10.00	2,406.90	4,291.00	348.51	23.53
5701. Pay, Navy, 1925		23,147.22			
5702. Provisions, 1925		6,384.72			
5704. Maintenance, Supplies and Accounts, 1925	7.98	242.41			
708. Fuel and transportation, 1925		10,256.02			
Total current year appropriations	192.16	44,662.25	7,890.84	417.33	102.17
All prior year appropriations		803.10			
Appropriation purchases account material and industrial overhead	*1,732.01*	1,707.76	1,350.25	49.61	17.34
Grand total	*1,539.85*	47,173.11	9,241.09	466.94	119.51
7039. Montcalm					
999. Jan. 19, 1921 (12)					
5309. Instruments and supplies, 1925	14.78	17.47			
5401. Ordnance and ordnance stores, 1925		122.32			
5501. Construction and Repair, 1925	509.17	1,572.76	821.00		
5601. Engineering, 1925	443.90	1,946.25	590.96		81.79
5701. Pay, Navy, 1925		50,090.14			
5702. Provisions, 1925		10,830.96			
5704. Maintenance, Supplies and Accounts, 1925	93.31	209.71			
5708. Fuel and transportation, 1925		14,153.31			
Total current year appropriations	1,061.16	78,942.92	1,411.96		81.79
All prior year appropriations	*5.16*	2,327.45			8.60
Appropriation purchases account material and industrial overhead	*688.64*	580.18	21.42		
Grand total	367.36	81,850.55	1,433.38		90.39
7032. Napa					
1,000. Dec. 5, 1919 (12)					
5309. Instruments and supplies, 1925		21.07			89.21
5327. Recreation, 1925		96.28			
5401. Ordnance and ordnance stores, 1925		147.41			283.15
5501. Construction and Repair, 1925	3,022.46	1,895.10	3,010.27	35.58	363.94
5601. Engineering, 1925	310.88	2,193.06	12,529.76	1,097.58	257.68
5701. Pay, Navy, 1925		47,493.98			
5702. Provisions, 1925		9,566.87			
5704. Maintenance, Supplies and Accounts, 1925	44.13	252.67			
5708. Fuel and transportation, 1925		16,381.57			
Total current year appropriations	3,377.47	78,048.01	15,540.03	1,133.16	993.98
All prior year appropriations	39.00	334.57			10.00
Appropriation purchases account material and industrial overhead	*8,622.15*	9,554.05	4,712.26	172.81	256.80
Grand total	*5,205.68*	87,936.63	20,252.29	1,305.97	1,260.78
7381. Navajo					
800. Mar. 17, 1908 (12)					
5101. Pay, miscellaneous, 1925		17.80			
5309. Instruments and supplies, 1925	159.29	16.66			82.53
5327. Recreation, 1925		141.87			
5401. Ordnance and ordnance stores, 1925		116.44			
5501. Construction and Repair, 1925	1,832.48	1,497.32	4,817.00	375.74	608.90
5601. Engineering, 1925	472.34	1,659.62	5,917.62	415.35	12.75
5701. Pay, Navy, 1925		22,707.76			
5702. Provisions, 1925		5,963.18			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7381. Navajo—Continued					
5704. Maintenance, Supplies and Accounts, 1925	$63.96	$199.64			$35.75
5708. Fuel and transportation, 1925		5,491.14			
Total current year appropriations	2,528.07	37,811.43	$10,734.62	$791.09	740.02
All prior year appropriations		456.23			50.00
Appropriation purchases account material and industrial overhead	*1,698.78*	1,680.39	5,411.37	326.86	303.91
Grand total	829.29	39,948.05	16,145.99	1,117.95	1,093.93
7013. Ontario					
1,120. Sept. 4, 1912 (12)					
5101. Pay, miscellaneous, 1925		1.40			
5309. Instruments and supplies, 1925	47.19	18.24			15.28
5401. Ordnance and ordnance stores, 1925		127.74			338.10
5501. Construction and Repair, 1925	20.75	1,642.49	16,711.29		
5601. Engineering, 1925	209.58	2,097.34	6,227.16		
5701. Pay, Navy, 1925		50,853.60			
5702. Provisions, 1925		11,816.99			
5704. Maintenance, Supplies and Accounts, 1925	8.81	219.01			
5708. Fuel and transportation, 1925		13,841.98			
Total current year appropriations	286.33	80,618.79	22,938.45		353.38
All prior year appropriations	535.76	2,798.69			
Appropriation purchases account material and industrial overhead	*1,202.75*	5,497.67	8,222.00		161,35
Grand total	*380.66*	88,915.15	31,160.45		514.73
7010. Patapsco					
755. July 28, 1909 (7)					
5101. Pay, miscellaneous, 1925		8.50			
5309. Instruments and supplies, 1925	300.00	7.68			
5327. Recreation, 1925		45.00			
5401. Ordnance and ordnance stores, 1925		53.75			
5501. Construction and Repair, 1925	39.60	738.08	636.65		
5601. Engineering, 1925	18.40	1,119.29	452.65		
5701. Pay, Navy, 1925		17,047.38			
5702. Provisions, 1925		6,365.29			
5704. Maintenance, Supplies and Accounts, 1925	62.00	92.13			
5708. Fuel and transportation, 1925		6,348.83			
Total current year appropriations	420.00	31,825.93	1,089.30		
All prior year appropriations	7.02	4,633.07	8.30		
Appropriation purchases account material and industrial overhead	*27,204.32*	2,124.56	1,886.38		
Grand total	*26,777.30*	38,583.56	2,983.98		
7011. Patuxent					
755. May 4, 1909 (3)					
5309. Instruments and supplies, 1925		148.01			
5401. Ordnance and ordnance stores, 1925		23.94			
5501. Construction and Repair, 1925		307.67	1,394.17		
5601. Engineering, 1925	27.00	307.67	454.23		
5701. Pay, Navy, 1925		9,107.01			
5702. Provisions, 1925		1,852.18			
5704. Maintenance, Supplies and Accounts, 1925		41.03			
5708. Fuel and transportation, 1925		1,190.26			
Total current year appropriations	27.00	12,977.77	1,848.40		
All prior year appropriations		1,904.64			
Appropriation purchases account material and industrial overhead	*27,139.20*		1,087.42		
Grand total	*27,112.20*	14,882.41	2,935.82		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7033. Pinola					
1,000. Feb. 7, 1920 (12)					
5309. Instruments and supplies, 1925	$1.35	$23.02			$0.20
5327. Recreation, 1925		144.55			
5401. Ordnance and ordnance supplies, 1925		167.72			
5501. Construction and Repair, 1925	388.78	2,069.04	$7,056.96	$1,298.72	474.47
5601. Engineering, 1925	383.00	2,375.51	10,904.33	6,930.23	873.96
5701. Pay, Navy, 1925		52,554.14			
5702. Provisions, 1925		11,221.70			
5704. Maintenance, Supplies and Accounts, 1925	52.90	275.88			10.71
5708. Fuel and transportation, 1925		15,950.45			
Total current year appropriations	826.03	84,782.01	17,961.29	8,228.95	1,359.34
All prior year appropriations	615.82	1,197.52			
Appropriation purchases account material and industrial overhead	*4,744.54*	1,789.38	5,154.71	1,213.73	270.10
Grand total	*3,302.69*	87,768.91	23,116.00	9,442.68	1,629.44
7020. Sagamore					
1,000. ——, 1917 (12)					
5309. Instruments and supplies, 1925	46.10	20.83			62.02
5401. Ordnance and ordnance stores, 1925		145.67			
5501. Construction and Repair, 1925	426.76	1,873.48	9,607.20	128.05	159.17
5601. Engineering, 1925	248.44	2,307.45	4,206.84	114.53	63.20
5701. Pay, Navy, 1925		17,140.93			
5702. Provisions, 1925		5,942.67			
5704. Maintenance, Supplies and Accounts, 1925	73.56	249.81			
5708. Fuel and transportation, 1925		12,911.36			
Total current year appropriations	794.86	40,592.20	13,814.04	242.58	284.39
All prior year appropriations	20.96	1,337.28			
Appropriations purchases account material and industrial overhead	*1,416.09*	1,371.09	1,249.28	18.27	19.59
Grand total	*600.27*	43,300.57	15,063.32	260.85	303.98
7030. Sciota					
1,000. Nov. 13, 1919 (12)					
5309. Instruments and supplies, 1925	217.76	172.68			15.67
5327. Recreation, 1925		97.96			
5401. Ordnanc and ordnance stores, 1925		141.22			
5501. Construction and Repair, 1925	3,015.34	1,815.82	25,048.32		1,169.64
5601. Engineering, 1925	3,174.41	2,338.50	5,499.93	1,177.05	570.93
5701. Pay, Navy, 1925		40,090.46			
5702. Provisions, 1925		7,441.42			
5704. Maintenance, Supplies and Accounts, 1925	34.62	399.31			
5708. Fuel and transportation, 1925		7,300.98			
Total current year appropriations	6,442.13	59,798.35	30,548.25	1,177.05	1,756.24
All prior year appropriations	15.14	867.09	2,054.84		336.44
Appropriation purchases account material and industrial overhead	*893.69*	754.23			
Grand total	5,563.58	61,419.67	32,603.09	1,177.05	2,092.68
7012. Sonoma					
1,120. Sept. 6. 1912 (12)					
5309. Instruments and supplies, 1925	1.35	13.34			119.24
5327. Recreation, 1925		171.43			
5401. Ordnance and ordnance stores, 1925		93.40			
5501. Construction and Repair, 1925	646.74	1,223.14	19,159.88	1,386.10	885.52
5601. Engineering, 1925	416.02	1,931.21	12,126.63	12.24	862.89
5701. Pay, Navy, 1925		62,398.95			
5702. Provisions, 1925		13,752.51			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7012. Sonoma—Continued					
5704. Maintenance, Supplies and Accounts, 1925	$131.44	$160.07			$11.97
5708. Fuel and transportation, 1925		20,162.20			
Total current year appropriations	1,195.55	99,906.25	$31,286.51	$1,398.34	1,879.62
All prior year appropriations	25.34	2,553.04			
Appropriation purchases account material and industrial overhead	*6,709.02*	6,837.58	6,927.24	279.55	404.24
Grand total	*5,488.13*	109,296.87	38,213.75	1,677.89	2,283.86
7028. Sunnadin					
1,000. Oct. 20, 1919 (12)					
5309. Instruments and supplies, 1925		12.92			13.87
5327. Recreation, 1925		165.92			
5401. Ordnance and ordnance stores, 1925		90.31			
5501. Construction and Repair, 1925	1,929.91	1,161.28	3,477.14		32.12
5601. Engineering, 1925	56.71	1,524.22	2,618.22	1,351.08	
5701. Pay, Navy, 1925		31,527.05			
5702. Provisions, 1925		8,206.18			
5704. Maintenance, Supplies and Accounts, 1925	2.00	154.85			8.50
5708. Fuel and transportation, 1925		13,207.72			
Total current year appropriations	1,988.62	56,050.45	6,095.36	1,351.08	54.49
All prior year appropriations	207.37	1,080.03			
Appropriation purchases account material and industrial overhead	*3,590.72*	1,450.43	3,793.13	321.46	14.78
Grand total	*1,394.73*	58,580.91	9,888.49	1,672.54	69.27
7022. Tadousac					
1,000. June 13, 1919 (4)					
5101. Pay, miscellaneous, 1925		3.40			
5309. Instruments and supplies, 1925		3.88			
5327. Recreation, 1925		21.90			
5401. Ordnance and ordnance stores, 1925		27.20			
5501. Construction and Repair, 1925	240.45	349.84	1,341.10		
5601. Engineering, 1925		349.84	852.62		79.50
5701. Pay, Navy, 1925		13,935.17			
5702. Provisions, 1925		3,121.50			
5704. Maintenance, Supplies and Accounts, 1925	9.33	46.64			
5708. Fuel and transportation, 1925		3,029.37			
Total current year appropriations	249.78	20,888.74	2,193.72		79.50
All prior year appropriations		2,660.98			
Appropriation purchases account material and industrial overhead	*31,630.38*	272.75	667.54		
Grand total	*31,380.60*	23,822.47	2,861.26		79.50
7027. Tatnuck					
1,000. July 26, 1919 (12)					
5309. Instruments and supplies, 1925	73.50	20.86			52.58
5401. Ordnance and ordnance stores, 1925		145.98			
5501. Construction and Repair, 1925	834.84	1,877.19	3,770.73		679.47
5601. Engineering, 1925	37.13	2,259.58	10,858.23	36.74	487.21
5701. Pay, Navy, 1925		25,509.45			
5702. Provisions, 1925		8,099.75			
5704. Maintenance, Supplies and Accounts, 1925	136.29	250.28			11.16
5708. Fuel and transportation, 1925		8,880.73			
Total current year appropriations	1,081.76	47,043.82	14,628.96	36.74	1,230.42
All prior year appropriations		1,142.27			
Appropriation purchases account material and industrial overhead	*4,048.14*	1,667.12	1,485.35	1,671.72	104.29
Grand total	*2,966.38*	49,853.21	16,114.31	1,708.46	1,334.71

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, FLEET TUGS—continued					
7016. Tillamook					
575. ——, 1914 (12)					
5309. Instruments and supplies, 1925		$4.18			
5401. Ordnance and ordnance stores, 1925		29.21			
5501. Construction and repair, 1925	$1,229.27	375.55	$5,517.05	$1,403.80	$219.87
5601. Engineering, 1925		639.95	7,080.32	4,012.84	5.48
5704. Maintenance, Supplies and Accounts, 1925		50.08			
5708. Fuel and transportation, 1925		5,098.49			
Total current year appropriations	1,229.27	6,197.46	12,597.37	5,416.64	225.35
All prior year appropriations		640.21			
Appropriation purchases account material and industrial overhead	*1,953.68*	1,651.17	2,633.90	222.61	17.65
Grand total	*724.41*	8,488.84	15,231.27	5,639.25	243.00
7025. Umpqua					
1,000. Dec. 6, 1919 (12)					
5309. Instruments and supplies, 1925	3.10	116.36			21.96
5401. Ordnance and ordnance stores, 1925		132.04			
5501. Construction and Repair, 1925	633.71	1,697.68	2,093.94	517.99	155.55
5601. Engineering, 1925	373.45	2,158.44	6,289.75	833.21	
5701. Pay, Navy, 1925		41,634.88			
5702. Provisions, 1925		8,599.98			
5704. Maintenance, Supplies and Accounts, 1925	35.00	226.39			
5708. Fuel and transportation, 1925		16,050.77			
Total current year appropriations	1,045.26	70,616.54	8,383.69	1,351.20	177.51
All prior year appropriations	7.11	442.11			
Appropriation purchases account material and Industrial overhead	*1,434.62*	1,387.78	1,371.31	299.59	34.59
Grand total	*382.25*	72,446.43	9,755.00	1,650.79	212.10
7698. Undaunted					
450. Feb. 5, 1918 (12)					
5101. Pay, miscellaneous, 1925		14.55			
5309. Instruments and supplies, 1925	84.13	13.68			49.81
5401. Ordnance and ordnance stores, 1925		98.97			
5501. Construction and Repair, 1925	1,535.01	1,230.51	7,661.23	82.55	188.08
5601. Engineering, 1925	2,443.46	1,488.51	7,211.12	590.21	464.74
5701. Pay, Navy, 1925		19,492.40			
5702. Provisions, 1925		6,537.97			
5704. Maintenance, Supplies and Accounts, 1925	9.00	164.05			
5708. Fuel and transportation, 1925		11,906.58			
Total current year appropriations	4,071.60	40,947.22	14,872.35	672.76	702.63
All prior year appropriations	66.00	885.49			
Appropriation purchases account material and industrial overhead	*846.03*	802.20	1,357.58	61.18	101.00
Grand total	3,291.57	42,634.91	16,229.93	733.94	803.63
7026. Wandank					
1,000. Mar. 23. 1920 (12)					
5309. Instruments and supplies, 1925	319.73	99.72			15.17
5401. Ordnance and ordnance stores, 1925		155.47			
5501. Construction and Repair, 1925	1,570.71	1,998.85	13,290.27	706.45	1,931.36
5601. Engineering, 1925	284.29	2,379.64	25,249.01	7,588.24	320.74
5701. Pay, Navy, 1925		43,627.50			
5702. Provisions, 1925		9,073.13			
5704. Maintenance, Supplies and Accounts, 1925	354.39	266.49			
5708. Fuel and transportation, 1925		22,278.54			
Total current year appropriations	2,529.12	79,879.34	38,539.28	8,294.69	2,267.27
All prior year appropriations		2,404.81			
Appropriation purchases account material and industrial overhead	*2,628.60*	1,832.27	5,071.10	342.95	247.96
Grand total	*99.48*	84,116.42	43,610.38	8,637.64	2,515.23

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS					
7536. Bittern					
950. May 28, 1919 (12)					
5101. Pay, miscellaneous, 1925		$53.91			
5309. Instruments and supplies, 1925	$527.33	234.84			$60.72
5327. Recreation, 1925		54.00			
5401. Ordnance and ordnance stores, 1925		169.78			
5501. Construction and Repair, 1925	8,271.89	2,166.80	$7,523.82	$255.30	1,077.03
5601. Engineering, 1925	213.99	3,435.27	12,790.32		874.63
5701. Pay, Navy, 1925		58,467.16			
5702. Provisions, 1925		15,418.78			
5704. Maintenance, Supplies and Accounts, 1925	91.43	288.89			32.07
5708. Fuel and transportation, 1925		19,498.82			
Total current year appropriations	9,104.64	99,788.25	20,314.14	255.30	2,044.45
All prior year appropriations	*72.39*	*428.08*			
Appropriation purchases account material and industrial overhead	*9,580.31*	15,412.83	4,603.76	48.86	620.29
Grand total	*548.06*	114,773.05	24,917.90	304.16	2,664.74
7520. Bobolink					
950. Jan. 28, 1919 (12)					
5101. Pay, miscellaneous, 1925		1.10			
5309. Instruments and supplies, 1925	382.16	17.22			.25
5327. Recreation, 1925		47.85			
5401. Ordnance and ordnance stores, 1925		120.49			
5501. Construction and Repair, 1925	4,976.84	1,549.22	5,530.27	175.23	23.74
5601. Engineering, 1925	354.49	2,413.78	6,979.84	439.09	83.87
5701. Pay, Navy, 1925		28,492.93			
5702. Provisions, 1925		11,483.74			
5704. Maintenance, Supplies and Accounts, 1925	83.32	216.15			
5708. Fuel and transportation, 1925		15,457.28			
Total current year appropriations	5,796.81	59,799.76	12,510.11	614.32	107.86
All prior year appropriations	*7.75*	2,422.03			
Appropriation purchases account material and industrial overhead	*1,294.69*	1,312.36	4,232.32	149.50	15.69
Grand total	4,494.37	63,534.15	16,742.43	763.82	123.55
7524. Brant					
950. Sept. 5, 1918 (12)					
5309. Instruments and supplies, 1925	369.27	29.78			74.80
5327. Recreation, 1925		75.00			
5401. Ordnance and ordnance stores, 1925		208.27			
5501. Construction and Repair, 1925	6,751.20	2,677.24	8,176.53	366.98	23.17
5601. Engineering, 1925	1,375.54	3,023.40	13,495.82	10.42	808.28
5701. Pay, Navy, 1925		57,830.57			
5702. Provisions, 1925		11,328.52			
5704. Maintenance, Supplies and Accounts, 1925	162.93	356.99			10.87
5708. Fuel and transportation, 1925		14,284.94			
Total current year appropriations	8,658.94	89,814.71	21,672.35	377.40	917.12
All prior year appropriations	1,959.08	2,690.31			
Appropriation purchases account material and industrial overhead	*11,641.68*	10,858.51	1,893.43	23.35	57.80
Grand total	*1,023.66*	103,363.53	23,565.78	400.75	974.92
7539. Chewink					
950. Apr. 9, 1919 (12)					
5309. Instruments and supplies, 1925	175.60	384.09			19.08
5327. Recreation, 1925		30.00			
5401. Ordnance and ordnance stores, 1925		112.69			
5501. Construction and Repair, 1925	3,382.48	1,448.59			3.00
5601. Engineering, 1925	307.10	1,773.70			30.90
5701. Pay, Navy, 1925		803,018.48			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7539. Chewink—Continued					
5702. Provisions, 1925		$32,946.95			
5704. Maintenance, Supplies and Accounts, 1925	$71.37	193.16			
5708. Fuel and transportation, 1925		9,429.93			
Total current year appropriations	3,936.55	849,337.59			$52.98
All prior year appropriations	37.50	2,410.08			
Appropriation purchases account material and industrial overhead	*3,345.25*	2,513.51			
Grand total	628.80	854,261.18			52.98
7540. Cormorant					
950. May 15, 1919 (12)					
5101. Pay, miscellaneous, 1925		7.62			
5309. Instruments and supplies, 1925	424.05	21.33			5.94
5327. Recreation, 1925		156.25			
5401. Ordnance and ordnance stores, 1925		159.10			
5501. Construction and Repair, 1925	11,018.46	1,919.33	$13,127.50		740.52
5601. Engineering, 1925	258.38	2,806.08	10,397.37	$81.12	280.19
5701. Pay, Navy, 1925		57,327.77			
5702. Provisions, 1925		10,989.50			
5704. Maintenance, Supplies and Accounts, 1925	4.56	255.92			
5708. Fuel and transportation, 1925		17,009.98			
Total current year appropriations	11,705.45	90,652.88	23,524.87	81.12	1,026.65
All prior year appropriations		1,356.09			
Appropriation purchases account material and industrial overhead	*4,201.05*	2,012.54	7,761.41	25.81	351.68
Grand total	7,504.40	94,021.51	31,286.28	106.93	1,378.33
7508. Curlew					
950. Feb. 7, 1919 (12)					
5309. Instruments and supplies, 1925	170.83	28.67			
5327. Recreation, 1925		148.03			
5401. Ordnance and ordnance stores, 1925		200.62			
5501. Construction and Repair, 1925	3,085.83	2,579.37	8,870.41	*619.71*	100.55
5601. Engineering, 1925	679.46	3,003.72	1,784.30	7.44	140.01
5701. Pay, Navy, 1925		44,096.16			
5702. Provisions, 1925		10,136.11			
5704. Maintenance, Supplies and Accounts, 1925	89.11	384.31			
5708. Fuel and transportation, 1925		7,894.47			
Total current year appropriations	4,025.23	68,471.46	10,654.71	*612.27*	240.56
All prior year appropriations	*1,324.00*	463.61			
Appropriation purchases account material and industrial overhead	*6,567.90*	6,290.28	1,645.00	*2.99*	
Grand total	*3,866.67*	75,225.35	12,299.71	*615.26*	240.56
7528. Falcon					
950. Nov. 12, 1918 (12)					
5101. Pay, miscellaneous, 1925		20.16			
5309. Instruments and supplies, 1925	52.01	34.03	11.56		29.60
5327. Recreation, 1925		60.25			
5401. Ordnance and ordnance stores, 1925		238.20			
5501. Construction and Repair, 1925	6,227.98	3,310.24	7,489.01	5,010.46	1,542.06
5601. Engineering, 1925	440.81	3,593.22	10,756.33	547.39	673.60
5701. Pay, Navy, 1925		78,117.27			
5702. Provisions, 1925		12,577.34			
5704. Maintenance, Supplies and Accounts, 1925	238.99	418.37			
5708. Fuel and transportation, 1925		16,772.29			
Total current year appropriations	6,959.79	115,141.37	18,256.90	5,557.85	2,245.26
All prior year appropriations	*855.03*	328.71	*106.36*	*3.75*	
Appropriation purchases account material and industrial overhead	*1,996.73*	729.25	2,896.82	569.72	159.36
Grand total	4,108.03	116,199.33	21,047.36	6,123.82	2,404.62

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7509. Finch					
950. Sept. 10, 1918 (12)					
5101. Pay, miscellaneous, 1925		$15.57			
5309. Instruments and supplies, 1925	$128.92	26.45			$57.51
5327. Recreation, 1925		168.56			
5401. Ordnance and ordnance stores, 1925		185.07	$9.04		186.76
5501. Construction and Repair, 1925	3,856.01	2,379.55	7,430.64	$192.29	1,298.03
5601. Engineering, 1925	206.81	3,109.23	8,723.70	21.20	511.03
5701. Pay, Navy, 1925		63,528.79			
5702. Provisions, 1925		18,123.20			
5704. Maintenance, Supplies and Accounts, 1925	19.48	317.26			25.92
5708. Fuel and transportation, 1925		18,006.38			
Total current year appropriations	4,211.22	105,860.06	16,163.38	213.49	2,079.25
All prior year appropriations		223.87			
Appropriation purchases account material and industrial overhead	*1,531.21*	13,901.12	2,759.95	6.69	661.38
Grand total	2,680.01	119,985.05	18,923.33	220.18	2,740.63
7541. Gannet					
950. July 10, 1919 (12)					
5101. Pay, miscellaneous, 1925		2.05			
5309. Instruments and supplies, 1925	113.70	17.37			35.22
5327. Recreation, 1925		173.22			
5401. Ordnance and ordnance stores, 1925		121.52			26.78
5501. Construction and Repair, 1925	4,554.02	1,572.76	6,110.18		657.97
5601. Engineering, 1925	1,466.76	1,701,07	7,525.09	1.30	358.78
5701. Pay, Navy, 1925		1,174,566.11			
5702. Provisions, 1925		48,316.31			
5704. Maintenance, Supplies and Accounts, 1925	282.75	208.33			24.04
5708. Fuel and transportation, 1925		9,456.51			
Total current year appropriations	6,417.23	1,236,135.25	13,635.27	1.30	1,102.79
All prior year appropriations	2,133.01	3,220.52			
Appropriation purchases account material and industrial overhead	*7,009.50*	2,897.14	626.78	475.93	115.42
Grand total	1,540.74	1,242,252.91	14,262.05	477.23	1,218.21
7543. Grebe					
950. Apr. 30, 1919 (12)					
5309. Instruments and supplies, 1925	384.81	26.83			
5401. Ordnance and ordnance stores, 1925		187.74			
5501. Construction and Repair, 1925	4,280.93	2,413.92	16,502.05	3,298.15	516.56
5601. Engineering, 1925	1,068.48	3,175.31	11,484.69	2,410.32	141.00
5701. Pay, Navy, 1925		60,946.88			
5702. Provisions, 1925		12,298.45			
5704. Maintenance, Supplies and Accounts, 1925	19.10	321.84			
5708. Fuel and transportation, 1925		16,620.28			
Total current year appropriations	5,753.32	95,991.25	27,986.74	5,708.47	657.56
All prior year appropriations	*8.20*	1,924.03	160.00		*145.00*
Appropriation purchases account material and industrial overhead	*2,849.17*	22,969.49	11,298.55	1,759.51	259.49
Grand total	2,895.95	120,884.77	39,445.29	7,467.98	772.05
7510 Heron					
950. Oct 30, 1918 (6)					
5309. Instruments and supplies, 1925	2,324.34	20.38			23.80
5327. Recreation, 1925		149.83			
5401. Ordnance and ordnance stores, 1925		53.20			
5501. Construction and Repair, 1925	15,281.10	6,803.19	10,951.43	8,326.15	1,892.20
5601. Engineering, 1925	5,834.36	6,290.36	14,430.93	700.07	1,013.83
5701. Pay, Navy, 1925		33,489.09			
5702. Provisions. 1925		6,231.66			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7510. Heron—Continued					
5704. Maintenance, Supplies and Accounts, 1925	$664.71	$3,073.32			$9.28
5708. Fuel and transportation, 1925		5,463.03			
Total current year appropriations	24,104.51	61,574.06	$25,382.36	$9,026.22	2,939.11
All prior year appropriations					
Appropriation purchases account material and industrial overhead	2,170.04	2,628.21	7,029.27	2,549.00	1,964.99
Grand total	26,274.55	64,202.27	32,411.63	11,575.22	4,904.10
7525. Kingfisher					
950. May 27, 1918 (12)					
5309. Instruments and supplies, 1925	218.43	31.41			75.59
5327. Recreation, 1925		168.65			
5401. Ordnance and ordnance stores, 1925		219.90			
5501. Construction and Repair, 1925	10,158.55	2,852.60	6,150.58	487.88	390.43
5601. Engineering, 1925	2,535.45	3,346.60	7,284.26		357.34
5701. Pay, Navy, 1925		62,336.39			
5702. Provisions, 1925		12,385.28			
5704. Maintenance, Supplies and Accounts, 1925	336.03	376.98			8.51
5708. Fuel and transportation, 1925		14,871.46			
Total current year appropriations	13,248.46	96,589.27	13,434.84	487.88	831.87
All prior year appropriations	2,970.84	1,478.67			
Appropriation purchases account material and industrial overhead	*8,938.79*	8,668.96	1,062.68	29.10	63.23
Grand total	7,280.51	106,736.90	14,497.52	516.98	895.10
7521. Lark					
950. Apr. 12, 1919 (12)					
5101. Pay, miscellaneous, 1925		37.68			
5309. Instruments and supplies, 1925	540.52	50.68			
5327. Recreation, 1925		108.45			
5401. Ordnance and ordnance stores, 1925		165.67		8.64	
5501. Construction and Repair, 1925	1,457.22	2,154.70	6,464.91	88.85	633.68
5601. Engineering, 1925	1,997.39	2,548.42	4,182.13	6.70	26.30
5701. Pay, Navy, 1925		72,286.09			
5702. Provisions, 1925		13,134.77			
5704. Maintenance, Supplies and Accounts, 1925	910.00	297.19			51.00
5708. Fuel and transportation, 1925		19,790.38			
Total current year appropriations	4,905.13	110,574.03	10,647.04	104.19	710.98
All prior year appropriations	3,648.19	1,496.05			
Appropriation purchases account material and industrial overhead	*7,255.43*	2,543.88	3,132.74	*1.63*	47.47
Grand total	1,297.89	114,613.96	13,779.78	102.56	758.45
7544. Mallard					
950. June 25, 1919 (12)					
5101. Pay, miscellaneous, 1925		6.34			
5309. Instruments and supplies, 1925	70.59	51.97			
5327. Recreation, 1925		131.54			
5401. Ordnance and ordnance stores, 1925		174.87			
5501. Construction and Repair, 1925	6,312.55	2,273.64	7,310.20	2.00	106.48
5601. Engineering, 1925	886.95	2,938.93	5,182.27		247.39
5701. Pay, Navy, 1925		68,908.32			
5702. Provisions, 1925		1[illegible],789.56			
5704. Maintenance, Supplies and Accounts, 1925	246.46	310.10			
5708. Fuel and transportation, 1925		19,099.99			
Total current year appropriations	7,516.55	107,685.26	12,492.47	2.00	353.87
All prior year appropriations	784.81	1,665.90			
Appropriation purchases account material and industrial overhead	*9,982.62*	5,731.06	3,631.87	29.15	34.08
Grand total	*1,681.26*	115,082.22	16,124.34	31.15	387.95

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7545. Ortolan					
950. Sept. 17, 1919 (12)					
5309 Instruments and supplies, 1925	$27.78	$23.96			$91.51
5327. Recreation, 1925		64.95			
5401. Ordnance and ordnance stores, 1925	31.62	167.82			
5501. Construction and Repair, 1925	8,026.93	2,190.83	$7,641.35	$1,063.10	458.43
5601. Engineering, 1925	2,919.56	2,424.99	7,414.58	288.83	621.02
5701. Pay, Navy, 1925		60,387.83			
5702. Provisions, 1925		11,812.44			
5704. Maintenance, Supplies and Accounts, 1925	167.27	287.57			
5708. Fuel and transportation, 1925		13,720.59			
Total current year appropriations	11,173.16	91,080.98	15,055.93	1,351.93	1,170.96
All prior year appropriations	1,286.24	1,358.69			
Appropriation purchases account material and industrial overhead	*8,007.57*	5,473.67	3,148.16	302.69	145.62
Grand total	4,451.83	97,913.34	18,204.09	1,654.62	1,316.58
7502. Owl					
950. July 11, 1918 (12)					
5309. Instruments and supplies, 1925	300.00	40.12			
5327. Recreation, 1925		55.00			
5401. Ordnance and ordnance stores, 1925		165.27			
5501. Construction and Repair, 1925	742.80	2,124.83	9,194.20	400.97	72.47
5601. Engineering, 1925	166.82	2,579.48	9,538.35	3.72	27.58
5701. Pay, Navy, 1925		41,975.70			
5702. Provisions, 1925		8,663.82			
5704. Maintenance, Supplies and Accounts, 1925	18.60	283.30			7.08
5708. Fuel and transportation, 1925		18,106.37			
Total current year appropriations	1,228.22	73,993.89	18,732.55	404.69	107.13
All prior year appropriations		2,010.76			
Appropriation purchases account material and industrial overhead	*4,007.88*	1,950.36	8,021.81	12.52	13.27
Grand total	*2,779.66*	77,955.01	26,754.36	417.21	120.40
7516. Partridge					
950. —— (12)					
5309. Instruments and supplies, 1925	263.68	28.59			68.02
5327. Recreation, 1925		140.39			
5401. Ordnance and ordnance stores, 1925		206.85			
5501. Construction and Repair, 1925	2,913.01	2,596.22	8,748.33	1,038.07	1,391.22
5601. Engineering, 1925	620.49	3,395.79	7,637.79	55.68	859.25
5701. Pay, Navy, 1925		56,723.82			
5702. Provisions, 1925		11,549.56			
5704. Maintenance, Supplies and Accounts, 1925	195.54	342.88			
5708. Fuel and transportation, 1925		12,800.60			
Total current year appropriations	3,992.72	87,784.70	16,386.12	1,093.75	2,318.49
All prior year appropriations		1,526.42			10.00
Appropriation purchases account material and industrial overhead	*2,838.03*	2,134.08	1,398.09	83.65	204.69
Grand total	1,154.69	91,445.20	17,784.21	1,177.40	2,533.18
7527. Pelican					
950. Oct. 10, 1918 (12)					
5309. Instruments and supplies, 1925	84.67	28.64			62.08
5401. Ordnance and ordnance stores, 1925		200.50			
5501. Construction and Repair, 1925	2,851.22	2,578.00	12,684.14	7,004.41	367.39
5601. Engineering, 1925	7,368.58	2,906.86	9,560.31	2,210.97	1,183.30
5701. Pay, Navy, 1925		38,806.59			
5702. Provisions, 1925		8,480.44			
7504. Maintenance, Supplies and Accounts, 1925	9.60	343.71			53.09

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7527. Pelican—Continued					
5708. Fuel and transportation, 1925	----------	$8,427.92	----------	----------	----------
Total current year appropriations	$10,314.07	61,772.66	$22,244.45	$9,215.38	$1,665.86
All prior year appropriations	213.68	4,324.10	----------	----------	12.00
Appropriation purchases account material and industrial overhead	*5,483.72*	1,021.22	13,037.92	1,828.06	243.76
Grand total	5,044.03	67,117.98	35,282.37	11,043.44	1,921.62
7533. Penguin					
950. Nov. 21, 1918 (12)					
5101. Pay, miscellaneous, 1925	----------	537.11	----------	----------	----------
5309. Instruments and supplies, 1925	267.69	120.04	----------	----------	----------
5310. Ocean and lake surveys, 1925	----------	16.60	----------	----------	----------
5327. Recreation, 1925	----------	257.80	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	179.90	----------	----------	----------
5501. Construction and Repair, 1925	270.91	2,238.90	621.92	742.00	----------
5601. Engineering, 1925	3,491.63	2,562.66	515.18	----------	97.85
5701. Pay, Navy, 1925	----------	71,047.47	----------	----------	----------
5702. Provisions, 1925	----------	15,420.57	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	86.99	302.12	----------	----------	6.40
5708. Fuel and transportation, 1925	----------	21,132.61	----------	----------	----------
5802. Contingent Medicine and Surgery, 1925	----------	14.15	----------	----------	----------
Total current year appropriations	4,117.22	113,829.93	1,137.10	742.00	104.25
All prior year appropriations	*95.27*	3,194.39	*.02*	----------	12.00
Appropriation purchases account material and industrial overhead	*1,067.11*	9,800.70	143.25	----------	----------
Grand total	2,954.84	126,825.02	1,280.33	742.00	116.25
7547. Pigeon					
950. July 15, 1919 (12)					
5101. Pay, miscellaneous, 1925	----------	423.76	----------	----------	----------
5309. Instruments and supplies, 1925	188.12	220.75	----------	----------	----------
5310. Ocean and lake surveys, 1925	----------	48.41	----------	----------	----------
5327. Recreation, 1925	----------	391.78	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	378.24	----------	----------	4.12
5501. Construction and Repair, 1925	793.17	2,294.86	562.45	762.53	2,172.76
5601. Engineering, 1925	3,640.99	2,684.17	150.23	----------	979.33
5701. Pay, Navy, 1925	----------	78,941.41	----------	----------	----------
5702. Provisions, 1925	----------	16,611.36	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	21.10	307.76	----------	----------	----------
5708. Fuel and transportation, 1925	----------	19,770.36	----------	----------	----------
5801. Medical Department, 1925	----------	34.07	----------	----------	----------
5802. Contingent Medicine and Surgery, 1925	----------	23.28	----------	----------	----------
Total current year appropriations	4,643.38	122,130.21	712.68	762.53	3,156.21
All prior year appropriations	*2,466.33*	196.11	292.15	----------	----------
Appropriation purchases account material and industrial overhead	*8,757.48*	4,538.90	233.27	----------	38.56
Grand total	*6,580.43*	126,865.22	1,238.10	762.53	3,194.77
7515. Quail					
950. Apr. 29, 1919 (12)					
5309. Instruments and supplies, 1925	120.79	32.64	----------	----------	----------
5327. Recreation, 1925	----------	143.23	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	228.57	----------	----------	----------
5501. Construction and Repair, 1925	1,195.36	2,950.09	10,150.81	----------	----------
5601. Engineering, 1925	110.29	3,428.32	1,361.65	----------	27.17
5701. Pay, Navy, 1925	----------	482,170.12	----------	----------	----------
5702. Provisions, 1925	----------	19,976.55	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7515. Quail—Continued					
704. Maintenance, Supplies and Accounts, 1925	$5.05	$400.64			
708. Fuel and transportation, 1925		11,172.05			
901. Pay, Marine Corps, 1925		30,814.25			
Total current year appropriations	1,431.49	551,316.46	$11,512.46		$27.17
All prior year appropriations		437.44	7,252.15		
Appropriation purchases account material and industrial overhead	17,391.31	8,242.27	137.44		
Grand total	18,822.80	559,996.17	18,902.05		27.17
7526. Rail					
950. June 5, 1918 (12)					
5101. Pay, miscellaneous, 1925		3.35			
5309. Instruments and supplies, 1925	7.35	16.49			12.10
5327. Recreation, 1925		136.90			
5401. Ordnance and ordnance stores, 1925		115.42			
5501. Construction and Repair, 1925	6,136.97	1,483.77	10,766.99		724.08
5601. Engineering, 1925	161.83	2,386.23	11,550.72	$2.99	757.42
5701. Pay, Navy, 1925		67,365.69			
5702. Provisions, 1925		11,609.86			
5704. Maintenance, Supplies and Accounts, 1925	185.81	197.83			1.20
5708. Fuel and transportation, 1925		19,630.20			
Total current year appropriations	6,491.96	102,945.74	22,317.71	2.99	1,494.80
All prior year appropriations	557.70	1,976.45			
Appropriation purchases account material and industrial overhead	*1,698.92*	2,683.43	10,410.43		342.94
Grand total	5,350.74	107,605.62	32,728.14	2.99	1,837.74
7503. Robin					
950. Aug. 29, 1918 (12)					
5101. Pay, miscellaneous, 1925		1.20			
5309. Instruments and supplies, 1925	53.56	15.63			8.35
5327. Recreation, 1925		50.00			
5401. Ordnance and ordnance stores, 1925		109.40			
5501. Construction and Repair, 1925	6,568.96	1,414.21	9,033.80	2,355.03	841.34
5601. Engineering, 1925	207.63	2,209.52	9,343.39	1,716.34	343.29
5701. Pay, Navy, 1925		59,797.40			
5702. Provisions, 1925		12,627.78			
5704. Maintenance, Supplies and Accounts, 1925	72.05	187.55			9.04
5708. Fuel and transportation, 1925		19,963.76			
Total current year appropriations	6,902.20	96,376.45	18,377.19	4,071.37	1,202.02
All prior year appropriations	16.29	2,458.74	275.08		
Appropriation purchases account material and industrial overhead	*1,681.71*	1,278.76	3,970.58	*659.58*	166.30
Grand total	5,236.78	100,113.95	22,622.85	4,730.95	1,368.32
7551. Sandpiper					
950. Oct. 9, 1919 (12)					
5309. Instruments and supplies, 1925	36.85	16.24			11.89
5327. Recreation, 1925		115.60			
5401. Ordnance and ordnance stores, 1925		113.78			
5501. Construction and Repair, 1925	6,092.81	1,462.80	6,053.81	3,104.62	1,304.85
5601. Engineering, 1925	1,489.96	2,090.29	9,229.31	971.51	705.60
5701. Pay, Navy, 1925		66,234.39			
5702. Provisions, 1925		13,140.15			
5704. Maintenance, Supplies and Accounts, 1925	234.92	198.66			
5708. Fuel and transportation, 1925		13,381.27			
Total current year appropriations	7,854.54	96,753.18	15,283.12	4,076.13	2,022.34
All prior year appropriations		1,557.23	*395.20*		
Appropriation purchases account material and industrial overhead	*6,310.01*	5,311.34	3,543.35	362.44	233.00
Grand total	1,544.53	103,621.80	18,431.27	4,438.57	2,255.34

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7530. Sea Gull					
950. Mar. 6, 1919 (12)					
5309. Instruments and supplies, 1925	$1.20	$19.35			
5401. Ordnance and ordnance stores, 1925		144.92			
5501. Construction and Repair, 1925	2,065.07	1,739.83	$2,105.60	$3,008.87	$460.36
5601. Engineering, 1925	2,384.88	2,341.88	3,541.22		143.33
5701. Pay, Navy, 1925		500,480.90			
5702. Provisions, 1925		4,251.63			
5704. Maintenance, Supplies and Accounts, 1925		231.98			257.83
5708. Fuel and transportation, 1925		16,771.97			
Total current year appropriations	4,451.15	525,982.46	5,646.82	3,008.87	861.52
All prior year appropriations		389.53			
Appropriation purchases account material and industrial overhead	*2,323.66*	4,289.57	3,097.09	796.80	307.22
Grand total	2,127.49	530,661.56	8,743.91	3,805.67	1,168.74
7504. Swallow					
950. Oct. 8, 1918 (12)					
5309. Instruments and supplies, 1925	22.99	38.43			98.46
5401. Ordnance and ordnance stores, 1925		128.13			8.98
5501. Construction and Repair, 1925	7,279.82	1,676.20	3,872.58	1,122.32	2,042.40
5601. Engineering, 1925	1,097.33	2,168.05	3,248.85	120.94	1,214.47
5701. Pay, Navy, 1925		40,829.13			
5702. Provisions, 1925		10,198.08			
5704. Maintenance, Supplies and Accounts, 1925	2.16	222.36			11.16
5708. Fuel and transportation, 1925		9,556.63			
Total current year appropriations	8,402.30	64,817.01	7,121.43	1,243.26	3,375.47
All prior year appropriations	*240.90*	1,020.41			
Appropriation purchases account material and industrial overhead	*7,109.42*	4,059.02	925.80	83.22	321.99
Grand total	1,051.98	69,896.44	8,047.23	1,326.48	3,697.46
7534. Swan					
950. Jan. 31, 1919 (12)					
5101. Pay, miscellaneous, 1925		3.45			
5309. Instruments and supplies, 1925	339.60	25.20			
5401. Ordnance and ordnance stores, 1925		176.54			
5501. Construction and Repair, 1925	549.97	2,269.55	9,360.88	2,912.03	617.18
5601. Engineering, 1925	219.26	2,775.45	13,472.08		326.40
5701. Pay, Navy, 1925		26,425.12			
5702. Provisions, 1925		6,468.45			
5704. Maintenance, Supplies and Accounts, 1925	128.00	302.62			
5708. Fuel and transportation, 1925		13,549.16			
Total current year appropriations	1,236.83	51,995.54	22,832.96	2,912.03	943.58
All prior year appropriations		3,391.50			
Appropriation purchases account material and industrial overhead	*2,644.71*	1,369.46	6,293.35	95.46	87.52
Grand total	*1,407.88*	56,756.50	29,126.31	3,007.49	1,031.10
7505. Tanager					
950. June 28, 1918 (12)					
5101. Pay, miscellaneous, 1925		7.50			
5309. Instruments and supplies, 1925	1.35	27.77			71.31
5327. Recreation, 1925		130.79			
5401. Ordnance and ordnance stores, 1925		210.13			
5501. Construction and Repair, 1925	3,161.96	2,498.76	1,695.78	773.70	568.29
5601. Engineering, 1925	850.75	3,238.08	4,597.98		48.21
5701. Pay, Navy, 1925		58,803.00			
5702. Provisions, 1925		11,376.15			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7505. Tanager					
5704. Maintenance, Supplies and Accounts, 1925	$146.60	$333.10			
5708. Fuel and transportation, 1925		13,080.56			
Total current year appropriations	4,160.66	89,705.84	$6,293.76	$773.70	$687.81
All prior appropriations	64.56	1,392.06			
Appropriation purchases account material and industrial overhead	*2,807.99*	3,220.56	2,242.21	227.77	293.54
Grand total	1,417.23	94,318.46	8,535.97	1,001.47	981.35
7523. Teal					
950. Aug. 20, 1918 (12)					
5309. Instruments and supplies, 1925	129.65	14.16			87.08
5327. Recreation, 1925		200.00			
5401. Ordnance and ordnance stores, 1925		98.98			6.01
5501. Construction and Repair, 1925	1,185.29	1,272.74	7,869.98	2,663.23	131.74
5601. Engineering, 1925	174.45	2,082.55	8,722.25	36.91	371.71
5701. Pay, Navy, 1925		66,276.65			
5702. Provisions, 1925		14,493.78			
5704. Maintenance, Supplies and Accounts, 1925	201.49	173.31			9.37
5708. Fuel and transportation, 1925		14,083.60			
Total current year appropriation	1,690.88	98,695.77	16,592.23	2,700.14	605.91
All prior year appropriations		1,725.95			
Appropriation purchases account material and industrial overhead	*4,064.54*	4,207.64	2,743.19	201,14	39.88
Grand total	*2,373.66*	104,629.36	19,335.42	2,901.28	645.79
7531. Tern					
950. May 17, 1919 (12)					
5309. Instruments and supplies, 1925	1.35	25.68			.64
5327. Recreation, 1925		212.70			
5401. Ordnance and ordnance stores, 1925		179.74			
5501. Construction and Repair, 1925	3,914.44	2,310.96	1,163.92	324.25	55.25
5601. Engineering, 1925	2,003.77	3,120.00	2,836.82		4.19
5701. Pay, Navy, 1925		60,802.84			
5702. Provisions, 1925		11,198.97			
5704. Maintenance, Supplies and Accounts, 1925	79.87	308.14			7.03
5708. Fuel and Transportation, 1925		13,815.17			
Total current year appropriation	5,999.43	91,974.20	4,000.74	324.25	67.11
All prior year appropriations	2,748.60	1,680.63			
Appropriation purchases account material and industrial overhead	*3,088.33*	922.85	14.78	22.42	
Grand total	5,659.70	94,577.68	4,015.52	346.67	67.11
7552. Vireo					
950. Oct. 16, 1919 (12)					
5309. Instruments and supplies, 1925	483.01	26.28			.16
5327. Recreation, 1925		85.79			
5401. Ordnance and ordnance stores, 1925		183,94			
5501. Construction and Repair, 1925	4,659.01	2,365.34	19,716.04	9,667.29	890.20
5601. Engineering, 1925	124.99	3,018.94	14,982.78	2,462.81	664.31
5701. Pay, Navy, 1925		60,600.20			
5702. Provisions, 1925		12,216.03			
5704. Maintenance, Supplies and Accounts, 1925	143.12	315.38			7.00
5708. Fuel and transportation, 1925		17,647.86			
Total current year appropriations	5,410.13	96,459.76	34,698.82	12,130.10	1,561.67
All prior year appropriations		2,027.41			
Appropriation purchase account material and industrial overhead	*5,531.67*	6,775.47	11,899.98	3,403.98	305.92
Grand total	*121.54*	105,262.64	46,598.80	15,534.08	1,867.59

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7535. Whippoorwill					
950. Apr. 1, 1919 (12)					
5101. Pay, miscellaneous, 1925	----------	$11.55	----------	----------	----------
5309. Instruments and supplies, 1925	$3.95	23.12	----------	----------	$33.71
5327. Recreation, 1925	----------	134.89	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	161.68	----------	----------	----------
5501. Construction and Repair, 1925	923.20	2,078.63	$2,399.33	$1,168.20	300.32
5601. Engineering, 1925	958.68	2,354.86	4,149.76	----------	----------
5701. Pay, Navy, 1925	----------	61,226.99	----------	----------	----------
5702. Provisions, 1925	----------	12,886.81	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	81.15	277.16	----------	----------	45.30
5708. Fuel and transportation, 1925	----------	12,018.71	----------	----------	----------
Total current year appropriations	1,966.98	91,174.40	6,549.09	1,168.20	379.33
All prior year appropriations	67.56	1,712.54	----------	----------	----------
Appropriation purchases account material and industrial overhead	*1,418.89*	3,061.80	1,873.10	122.39	206.69
Grand total	615.65	95,948.74	8,422.19	1,290.59	586.02
7522. Widgeon					
950. July 27, 1918 (12)					
5309. Instruments and supplies, 1925	73.34	61.91	----------	----------	98.93
5401. Ordnance and ordnance stores, 1925	----------	441.38	----------	----------	----------
5501. Construction and Repair, 1925	2,957.33	5,570.18	1,827.53	1,609.32	621.24
5601. Engineering, 1925	434.31	6,028.11	451.08	482.81	10.32
5701. Pay, Navy, 1925	----------	68,667.40	----------	----------	----------
5702. Provisions, 1925	----------	13,695.12	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	89.62	742.70	----------	----------	122.20
5708. Fuel and transportation, 1925	----------	16,184.45	----------	----------	----------
Total current year appropriations	3,554.60	111,391.25	2,278.61	2,092.13	852.69
All prior year appropriations	1,106.19	1,840.83	----------	----------	----------
Appropriation purchases account material and industrial overhead	*5,025.97*	3,833.49	3,290.39	942.55	304.43
Grand total	*365.18*	117,065.57	5,569.00	3,034.68	1,157.12
7514. Woodcock					
950. Feb. 19, 1919 (12)					
5101. Pay, miscellaneous, 1925	----------	23.70	----------	----------	----------
5309. Instruments and supplies, 1925	339.58	18.44	----------	----------	----------
5327. Recreation, 1925	----------	115.75	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	129.14	----------	----------	----------
5501. Construction and Repair, 1925	761.25	1,660.46	7,154.09	3,126.29	635.62
5601. Engineering, 1925	126.61	2,538.36	13,271.99	17.28	269.21
5701. Pay, Navy, 1925	----------	57,129.02	----------	----------	----------
5702. Provisions, 1925	----------	11,798.88	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	137.90	230.24	----------	----------	----------
5708. Fuel and Transportation, 1925	----------	16,391.47	----------	----------	----------
Total current year appropriations	1,365.34	90,035.46	20,426.08	3,143.57	904.83
All prior year appropriations	*62.00*	8,474.78	----------	----------	----------
Appropriation purchases account material and industrial overhead	*1,942.46*	1,256.64	3,592.60	264.88	137.17
Grand total	*639.12*	99,766.88	24,018.68	3,408.45	1,042.00

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MISCELLANEOUS					
8451. Abarenda					
6,680. May 29, 1898 (12)					
5101. Pay, miscellaneous, 1925		$150.44			
5309. Instruments and supplies, 1925	$557.69	276.31			$58.60
5327. Recreation, 1925		75.51			
5401. Ordnance and ordnance stores, 1925		25.93			
5501. Construction and Repair, 1925	1,146.35	7,853.45	$6,013.95		819.31
5601. Engineering, 1925	346.50	5,014.07	10,511.56		117.02
5701. Pay, Navy, 1925		77,056.26			
5702. Provisions, 1925		43,821.10			
5704. Maintenance, Supplies and Accounts, 1925	43.06	788.29			
5708. Fuel and transportation, 1925		22,340.07			
5802. Contingent, Medicine, and Surgery, 1925		47.36			
Total current year appropriations	2,093.60	157,448.79	16,525.51		994.93
All prior year appropriations		299.74			
Appropriation purchases account material and industrial overhead	*2,076.03*	5,684.67	4,692.89		231.20
Grand total	17.57	163,433.20	21,218.40		1,226.13
8452. Ajax					
9,250. May 21, 1898 (12)					
5101. Pay, miscellaneous, 1925		86.17			
5309. Instruments and supplies, 1925	1,390.56	126.69			77.13
5401. Ordnance and ordnance stores, 1925		85.82			
5501. Construction and Repair, 1925	4,579.12	7,397.94	2,051.66	$190.88	535.74
5601. Engineering, 1925	1,818.79	5,580.48	5,911.88		230.05
5701. Pay, Navy, 1925		227,381.28			
5702. Provisions, 1925		53,776.95			
5704. Maintenance, Supplies and Accounts, 1925	99.16	996.85			
5708. Fuel and transportation, 1925		30,905.96			
5801. Medical Department, 1925		61.50			
5802. Contingent, Medicine and Surgery, 1925		93.37			
Total current year appropriations	7,887.63	326,493.01	7,963.54	190.88	842.92
All prior year appropriations		231.50			
Appropriation purchases account material and industrial overhead	*54,585.93*	3,431.82	1,963.82	5,405.61	310.55
Grand total	*46,698.30*	330,156.33	9,927.36	5,596.49	1,153.47
8898. Antares					
11,450. Feb. 23, 1922 (12)					
5101. Pay, miscellaneous, 1925		255.38			
5309. Instruments and supplies, 1925	7,257.90	492.13			53.26
5401. Ordnance and ordnance stores, 1925		494.13			
5501. Construction and Repair, 1925	8,752.81	12,377.53	8,145.81	1,822.57	8,924.72
5601. Engineering, 1925	5,355.79	6,051.48	3,764.37	1,493.59	4,882.27
5701. Pay, Navy, 1925		343,695.64			
5702. Provisions, 1925		53,865.44			
5704. Maintenance, Supplies and Accounts, 1925	1,081.73	1,662.60			21.25
5708. Fuel and transportation, 1925		55,994.06			
5802. Contingent, Medicine and Surgery, 1925		43.87			
5901. Pay, Marine Corps, 1925		17,979.61			
Total current year appropriations	22,448.23	492,911.87	11,910.18	3,316 16	13,881.50
All prior year appropriations		1,221.12			
Appropriation purchases account material and industrial overhead	*27,640.64*	13,397.72	3,147.51	5,263.39	1,423.81
Grand total	*5,192.41*	507,530.71	15,057.69	8,579.55	15,305.31

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MISCELLANEOUS—contd.					
8507. General Alava					
1,115. Mar. 9, 1900 (12)					
5101. Pay, miscellaneous, 1925	----------	$57.20	----------	----------	----------
5309. Instruments and supplies, 1925	$312.25	662.73	$8.08	----------	$40.33
5310. Ocean and lake surveys	----------	9.11	----------	----------	----------
5327. Recreation, 1925	----------	270.54	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	149.57	----------	----------	----------
5501. Construction and Repair, 1925	3,671.50	1,845.90	3,603.04	$50.44	178.67
5601. Engineering, 1925	3,786.20	2,509.55	2,481.21	----------	497.48
5701. Pay, Navy, 1925	----------	34,271.08	----------	----------	----------
5702. Provisions, 1925	----------	15,513.13	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	189.38	305.33	----------	----------	1.57
5708. Fuel and transportation, 1925	----------	17,721.17	----------	----------	----------
Total current year appropriations	7,959.33	73,315.31	6,092.33	50.44	718.05
All prior year appropriations	----------	239.32	----------	----------	4.94
Appropriation purchases account material and industrial overhead	*6,207.64*	4,956.48	----------	----------	28.76
Grand Total	1,751.69	78,511.11	6,092.33	50.44	751.75
8559. Gold Star					
10,550. Feb. 1, 1922 (12)					
5101. Pay, miscellaneous, 1925	----------	49.30	----------	----------	----------
5201. Maintenance, Yards and Docks	----------	196.38	----------	----------	----------
5309. Instruments and supplies, 1925	50.13	218.66	----------	----------	80.37
5327. Recreation, 1925	----------	253.59	----------	----------	----------
5501. Construction and Repair, 1925	12,788.26	10,591.28	3,188.82	23,520.92	1,400.37
5601. Engineering, 1925	6,402.17	6,561.84	10,727.72	23,722.43	192.98
5701. Pay, Navy, 1925	----------	167,959.66	----------	----------	----------
5702. Provisions, 1925	----------	30,321.60	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	627.90	568.42	----------	----------	29.06
5708. Fuel and Transportation, 1925	----------	58,276.62	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	56.46	----------	----------	----------
Total current year appropriations	19,868.46	275,053.81	13,916.54	47,243.35	1,702.78
All prior year appropriations	----------	9.00	----------	13.98	----------
Appropriation purchases account material and industrial overhead	12,230.02	11,024.24	1,078.15	4,878.53	71.02
Grand total	32,098.48	286,087.05	14,994.69	52,135.86	1,773.80
8802. Hannibal					
4,000. June 7, 1898 (12)					
5101. Pay, miscellaneous, 1925	----------	181.92	----------	----------	----------
5309. Instruments and supplies, 1925	1,628.43	301.56	----------	----------	21.72
5310. Ocean and lake survey, 1925	346.88	23,151.29	----------	----------	----------
5327. Recreation, 1925	----------	151.83	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	.80	----------	----------	----------
5501. Construction and Repair, 1925	5,916.68	7,557.43	14,777.72	367.27	4,422.07
5601. Engineering, 1925	4,135.40	8,173.05	7,001.30	.93	4,117.03
5701. Pay, Navy, 1925	----------	230,129.82	----------	----------	----------
5702. Provisions, 1925	----------	40,362.50	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	1,149.18	956.81	----------	----------	11.51
5708. Fuel and transportation, 1925	----------	28,409.40	----------	----------	----------
5801. Medical Department, 1925	----------	69.50	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	61.99	----------	----------	----------
Total current year appropriations	13,176.57	339,507.90	21,779.02	368.20	8,572.33
All prior year appropriations	----------	242.51	----------	----------	----------
Appropriation purchases account material and industrial overhead	*21,850.16*	12,786.21	2,427.16	*62*	245.78
Grand total	*8,673.59*	352,536.62	24,206.18	367.58	8,818.11

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MISCELLANEOUS—contd.					
1904. Pensacola					
9,821. Oct. 8, 1917 (9)					
5101. Pay, miscellaneous, 1925		$106.84			
5309. Instruments and Supplies, 1925	$215.40	525.64			
5327. Recreation, 1925		45.00			
5401. Ordnance and ordnance stores, 1925		140.86			$186.16
5501. Construction and Repair, 1925	690.00	7,252.95	$614.68		102.09
5601. Engineering, 1925	99.66	3,934.35	788.34		125.22
5701. Pay, Navy, 1925		85,184.18			
5702. Provisions, 1925		13,842.09			
5704. Maintenance, Supplies and Accounts, 1925	247.50	300.00			
5708. Fuel and transportation, 1925		20,042.26			
5802. Contingent, Medicine and Surgery, 1925		22.80			
Total current year appropriations	1,252.56	131,396.97	1,403.02		413.47
All prior year appropriations	710.05	18,141.13			
Appropriation purchases account material and industrial overhead	*89,634.91*	3,697.88	93.98		17.64
Grand total	*87,672.30*	153,235.98	1,497.00		431.11
8899. Procyon					
11,450. Nov. 30, 1921 (12)					
5101. Pay, miscellaneous, 1925		1,104.86			
5305. Gunnery and engineering exercises		255.39			
5309. Instruments and supplies, 1925	838.27	505.79			35.94
5327. Recreation, 1925		1,794.10			
5401. Ordnance and ordnance stores, 1925	512.10	792.61			8.63
5501. Construction and Repair, 1925	20,202.11	14,777.83	3,104.27	$6,733.23	4,535.91
5601. Engineering, 1925	6,447.42	7,403.13	7,073.96	9,996.11	3,986.49
5701. Pay, Navy, 1925		371,674.15			
5702. Provisions. 1925		78,388.44			
5704. Maintenance, Supplies and Accounts, 1925	1,897.02	1,626.63			214.76
5708. Fuel and transportation, 1925		32,447.56			
5802. Contingent, Medicine and Surgery, 1925		32.28			
5901. Pay, Marine Corps, 1925		18,027.83			
Total current year appropriations	29,896.92	528,830.60	10,178.23	16,729.34	8,781.73
All prior year appropriations		122.50			
Appropriation purchases account material and industrial overhead	*27,934.10*	16,833.24	6,853.14	12,986.41	486.89
Grand total	1,962.82	545,786.34	17,031.37	29,715.75	9,268.62
UNCLASSIFIED					
3560. Boston					
3,000. May 2, 1887 (12)					
5309. Instruments and supplies, 1925	41.60				
5501. Construction and Repair, 1925	24.10	406.09			
5601. Engineering, 1925	60.55	599.94			
5704. Maintenance, Supplies and Accounts, 1925	105.01	265.70			14.75
5708. Fuel and transportation, 1925		2,982.37			
Total current year appropriations	231.26	4,254.10			14.75
All prior year appropriations		202.25			
Appropriation purchases account material and industrial overhead	*6,692.89*	7,327.87			
Grand total	*6,461.63*	11,784.22			14.75

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
UNCLASSIFIED—continued					
8905. Cumberland					
1,800. July 20, 1907 (12)					
5501. Construction and Repair, 1925	$975.79		$3.84		
5601. Engineering, 1925		$175.28			$21.12
Total current year appropriations	975.79	175.28	3.84		21.12
Appropriation purchases account material and industrial overhead	*941.59*	939.09			
Grand total	34.20	1,114.37	3.84		21.12
8508. Hancock					
8,500. Nov. 20, 1902 (12)					
5101. Pay, miscellaneous, 1925		153.80			
5309. Instruments and supplies, 1925	1.44				133.05
5327. Recreation, 1925		753.80			
5501. Construction and Repair, 1925		366.46	2,041.54		585.39
5601. Engineering, 1925		216.09	954.06		1,136.13
5701. Pay, Navy, 1925		114,510.58			
5702. Provisions, 1925		42,548.50			
5704. Maintenance, Supplies and Accounts, 1925		75.55			
5708. Fuel and transportation, 1925		12,253.57			
5802. Contingent, Medicine and Surgery, 1925		84.52			
Total current year appropriations	1.44	170,962.87	2,995.60		1,854.57
All prior year appropriations		25.88			
Appropriation purchases account material and industrial overhead	*3,710.09*	*5*,299.57	841.25		648.20
Grand total	*3,708.65*	176,288.32	3,836.85		2,502.77
8909. Hartford					
2790. ——, 1858 (12)					
5309. Instruments and supplies, 1925	427.12				
5501. Construction and Repair, 1925	1,222.49	4,687.25	18,046.22		698.75
5601. Engineering, 1925	182.90	1,608.92	12,379.36		284.19
5704. Maintenance, Supplies and Accounts, 1925	232.51	1,133.25			
5708. Fuel and transportation, 1925		7,581.72			
Total current year appropriations	2,065.02	15,011.14	30,425.58		982.94
Appropriation purchases account material and industrial overhead	*1,249.31*	1,232.40	11,432.01		444.89
Grand total	815.71	16,243.54	41,857.59		1,427.83
8903. Old Constellation					
1,970. ——, 1797 (12)					
5309. Instruments and supplies, 1925	10.69				
5501. Construction and Repair, 1925	414.63	4,613.41	23,747.34		
5601. Engineering, 1925		551.23	3,693.98		
5704. Maintenance, Supplies and Accounts, 1925	313.52	113.78			
		8,991.89			
Total current year appropriations	738.84	14,270.31	27,441.32		
Appropriation purchases account material and industrial overhead	*642.15*	659.77	386.49		
Grand total	96.69	14,930.08	27,827.81		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
UNCLASSIFIED—continued					
8904. Old Constitution					
2,200. ——, 1797 (12)					
5501. Construction and Repair, 1925			$1,522.36		
Total current year appropriations			1,522.36		
Appropriation purchases account material and industrial overhead			256.35		
Grand total			1,778.71		
8912. Philadelphia					
4,410. ——, 1890 (12)					
5309. Instruments and supplies, 1925					$27.08
5401. Ordnance and ordnance supplies, 1925		$62.69			
5501. Construction and Repair, 1925	$849.92	9,788.66	419.12		345.46
5601. Engineering, 1925	676.54	3,250.80	554.37		294.06
5702. Provisions, 1925		7,305.90			
5704. Maintenance, Supplies and Accounts, 1925	709.71	2,315.84			33.15
5708. Fuel and transportation, 1925		45,849.44			
Total current year appropriations	2,236.17	68,573.33	973.49		699.75
Appropriation purchases account material and industrial overhead	1,060.67	576.90	104.84		82.21
Grand total	3,296.84	69,150.23	1,078.33		781.96
8914. Reina Mercedes					
2,835. ——, 1898 (12)					
5101. Pay, miscellaneous, 1925		87.73			
5309. Instruments and supplies, 1925	513.00				22.74
5501. Construction and Repair, 1925	1,311.00	7,233.20	327.00		1,529.96
5601. Engineering, 1925	4,648.48	3,675.22	39.28	$10.00	1,378.96
5701. Pay, Navy, 1925		515,833.23			
5702. Provisions, 1925		110,117.60			
5704. Maintenance, Supplies and Accounts, 1925	540.41	1,279.25			175.45
5708. Fuel and transportation, 1925		18,186.21			
Total current year appropriations	7,012.89	656,412.44	366.28	10.00	3,107.11
All prior year appropriations		7.00			
Appropriation purchases account material and industrial overhead	*2,446.31*	2,558.40	23,015.89		28.73
Grand total	4,566.58	658,977.84	23,382.17	10.00	3,135.84
8917. Southery					
3,100. ——, 1889 (12)					
5501. Construction and Repair, 1925			3,234.76	1,864.72	1,183.60
5601. Engineering, 1925			825.90	*7.04*	684.95
5702. Provisions, 1925		132.50			
5708. Fuel and transportation, 1925		832.94			
Total current year appropriations		965.44	4,060.66	1,857.68	1,868.55
Appropriation purchases account material and industrial overhead	*4,051.41*	2,789.92	452.84	146.03	263.69
Grand total	*4,051.41*	3,755.36	4,513.50	2,003.71	2,132.24
RIGID AIRSHIPS					
4903. Los Angeles					
5701. Pay, Navy, 1925		67,313.67			
5702. Provisions, 1925		4,961.75			
5854. Aviation, Navy, 1925		10,922.20	21,009.46	8,937.36	35.52
5855. Aviation, Navy, 1925				610.77	
Total current year appropriations		83,197.62	21,009.46	9,548.13	35.52
Appropriation purchases account material and industrial overhead	1.40	80,749.95	5,965.17	2,407.07	
Grand total	1.40	163,947.57	26,974.63	11,955.20	35.52

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
RIGID AIRSHIPS—continued					
4901. Shenandoah					
5309. Instruments and supplies, 1925	$44.93				
5701. Pay, Navy, 1925		$136,513.82			
5702. Provisions, 1925		7,467.04			
5854. Aviation, Navy, 1925		6,303.62	$27,284.40	$9,342.06	$429.52
5755. Aviation, Navy, 1925				136.55	
Total current year appropriations	44.93	150,284.48	27,284.40	9,478.61	429.52
Appropriation purchases account material and industrial overhead	1.40	30,974.63	36,191.88	4,801.25	5,295.10
Grand total	46.33	181,259.11	63,476.28	14,279.86	5,724.62
DISTRICT CRAFT, TUGS					
7218. Active					
5501. Construction and Repair, 1925	16.32	197.33	3,026.61		
5601. Engineering, 1925	107.65	399.04	2,201.97	6.96	
5704. Maintenance, Supplies and Accounts, 1925		2.00			
5708. Fuel and transportation, 1925		281.30			
Total current year appropriations	123.97	879.67	5,228.58	6.96	
Appropriation purchases account material and industrial overhead			557.23	.96	
Grand total	123.97	879.67	5,785.81	7.92	
8706. Advance					
11. June 6, 1917 (12)					
5501. Construction and Repair, 1925	403.18	82.94	5,641.01		38.95
5601. Engineering, 1925	3.00	622.09	3,427.26	279.41	
5704. Maintenance, Supplies and Accounts, 1925		24.95			
5708. Fuel and transportation, 1925		5,254.84			
Total current year appropriations	406.18	5,984.82	9,068.27	279.41	38.95
Appropriation purchases account material and industrial overhead			2,558.58	34.88	10.16
Grand total	406.18	5,984.82	11,626.85	314.29	49.11
8718. Barnett					
——. Dec. 21, 1917 (12)					
5501. Construction and Repair, 1925	236.36	893.30	1,413.57		
5601. Engineering, 1925		704.37	1,202.09		
5701. Pay, Navy, 1925		10,701.09			
5702. Provisions, 1925		3,785.97			
5704. Maintenance, Supplies and Accounts, 1925		146.69			
5708. Fuel and transportation, 1925		6,850.10			
Total current year appropriations	236.36	23,081.52	2,615.66		
Appropriation purchases account material and industrial overhead	*318.42*	318.42			
Grand total	*82.06*	23,399.94	2,615.66		
7209. Catawba					
241. —— (12)					
5309. Instruments and supplies, 1925	13.59				
5501. Construction and Repair, 1925	273.35	878.24	5,506.59	153.66	198.17
5601. Engineering, 1925	28.88	753.07	2,489.15	63.65	
5704. Maintenance Supplies and Accounts, 1925	38.83	50.46			
5708. Fuel and transportation, 1925		2,793.60			
Total current year appropriations	354.65	4,475.37	7,995.74	217.31	198.17
Appropriation purchases account material and industrial overhead	47.70	54.04	9,739.45	37.17	28.05
Grand total	402.35	4,529.41	17,735.19	254.48	226.22

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7372. Cayuga					
194. —— (12)					
5309. Instruments and supplies, 1925		$4.65			$11.40
5501. Construction and Repair, 1925	$377.13	920.20	$1,101.65		71.01
5601. Engineering, 1925	30.00	956.17	84.29		
5701. Pay, Navy, 1925		4,494.95			
5702. Provisions, 1925		1.40			
5704. Maintenance, Supplies and Accounts, 1925		54.04			
5708. Fuel and transportation, 1925		5,330.72			
Total current year appropriations	407.13	11,762.13	1,185.94		82.41
All prior year appropriations		5.48			
Appropriation purchases account material and industrial overhead	*208.79*	208.79	137.52		4.21
Grand total	198.34	11,976.40	1,323.46		86.62
7673. Choptank					
——. —— (12)					
5309. Instruments and supplies, 1925	8.50				
5501. Construction and Repair, 1925	429.59	672.45	1,788.32	$201.12	54.78
5601. Engineering, 1925	41.70	610.28	4,012.56		41.76
5702. Provisions, 1925		3,972.02			
5704. Maintenance, Supplies and Accounts, 1925		29.92			
5708. Fuel and transportation, 1925		4,542.47			
Total current year appropriations	479.79	9,827.14	5,800.88	201.12	96.54
Appropriation purchases account material and industrial overhead	*502.23*	422.23	843.44	20.87	16.30
Grand total	*22.44*	10,249.37	6,644.32	221.99	112.84
7219. Diligent					
——. —— (1)					
5501. Construction and Repair, 1925	69.32	229.27	4,356.32		
5601. Engineering, 1925		549.81	2,229.32		
5704. Maintenance, Supplies and Accounts, 1925		55.89			
5708. Fuel and transportation, 1925		50.94			
Total current year appropriations	69.32	885.91	6,585.64		
Appropriation purchases account material and industrial overhead		2.62	762.12		
Grand total	69.32	888.53	7,347.76		
7208. Hercules					
——. —— (12)					
5309. Instruments and supplies, 1925					2.89
5501. Construction and Repair, 1925	986.79	1,379.98	2,942.55		53.17
5601. Engineering, 1925	77.45	771.91	3,485.03		
5704. Maintenance, Supplies and Accounts, 1925	321.45	205.25			
5708. Fuel and transportation, 1925		3,119.78			
Total current year appropriations	1,385.69	5,476.92	6,427.58		56.06
Appropriation purchases account material and industrial overhead			3,188.03		8.76
Grand total	1,385.69	5,476.92	9,615.61		64.82

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7002. Iwana					
192. —— 1892 (12)					
5309. Instruments and supplies, 1925					$17.44
5501. Construction and Repair, 1915	$51.96	$1,178.89	$2,654.72		278.67
5601. Engineering, 1925		902.90	4,206.29		5.39
5702. Provisions, 1925		775.58			
5704. Maintenance, Supplies and Accounts, 1925		153.41			
5708. Fuel and transportation, 1925		5,402.01			
Total current year appropriations	51.96	8,412.79	6,861.01		301.50
Appropriation purchases account material and industrial overhead	*161.72*	186.26	905.34		38.45
Grand total	*109.76*	8,599.05	7,766.35		339.95
7916. James Wooley					
——. —— (12)					
5501. Construction and Repair, 1925	72.10	346.55	944.90		
5601. Engineering, 1925	42.40	222.37	375.19		.63
5704. Maintenance, Supplies and Accounts, 1925		61.40			
5708. Fuel and transportation, 1925		1,858.83			
Total current year appropriations	114.50	2,489.15	1,320.09		.63
Appropriations purchases account material and industrial overhead	*85.10*	108.90	120.28		
Grand total	29.40	2,598.05	1,440.37		.63
7377. Lively					
296. July 1, 1911 (12)					
5309. Instruments and supplies	78.13				5.89
5501. Construction and Repair, 1925	1,352.93	520.26	5,042.29	$182.16	206.09
5601. Engineering, 1925	101.27	1,080.20	4,899.98		
5704. Maintenance, Supplies and Accounts, 1925		3.26			
5708. Fuel and transportation, 1925		8,761.26			
Total current year appropriations	1,532.33	10,364.98	9,942.27	182.16	211.98
Appropriation purchases account material and industrial overhead	*953.20*	858.86	1,005.69		19.34
Grand total	579.13	11,223.84	10,947.96	182.16	231.32
7378. Massassoit					
202. July 1, 1911 (12)					
5501. Construction and Repair, 1925	149.12	811.48	6,439.87	660.27	93.50
5601. Engineering, 1925	10.60	1,053.69	7,197.46		31.57
5704. Maintenance, Supplies and Accounts, 1925	38.83	71.90			
5708. Fuel and transportation, 1925		2,965.39			
Total current year appropriations	198.55	4,902.46	13,637.33	660.27	125.07
Appropriation purchases account material and industrial overhead		.36	2,390.13	76.03	22.84
Grand total	198.55	4,902.82	16,027.46	736.30	147.91
7659. Mendota					
——. Nov. 20, 1917 (12)					
5501. Construction and Repair, 1925	388.43	987.40	2,316.30		2.80
5601. Engineering, 1925	66.49	2,832.69	2,458.62		8.18
5702. Provisions, 1925		5,028.89			
5704. Maintenance, Supplies and Accounts, 1925		71.30			
5708. Fuel and transportation, 1925		6,248.97			
Total current year appropriations	454.92	15,169.25	4,774.92		10.98
All prior year appropriations	38.70	*19.53*			
Appropriation purchases account material and industrial overhead	*694.57*	1,186.01	758.20		3.03
Grand total	*200.95*	16,335.73	5,533.12		14.01

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7379. Modoc					
241. July 1, 1911 (12)					
5501. Construction and Repair, 1925	$392.40	$517.84	$7,812.66		$107.22
5601. Engineering, 1925	54.43	973.17	8,669.53		*49.96*
5702. Provisions, 1925		2,500.11			
5704. Maintenance, Supplies and Accounts, 1925		118.10			
5708. Fuel and transportation, 1925		2,719.22			
Total current year appropriations	446.83	6,828.44	16,482.19		57.26
Appropriation purchases account material and industrial overhead	*255.42*	254.93	1,595.27		*5.86*
Grand total	191.41	7,083.37	18,077.46		51.40
7380. Mohawk					
368. July 1, 1911 (12)					
5501. Construction and Repair, 1925	204.35	35.43	2,964.85		1.92
5601. Engineering, 1925	28.76	853.92	2,463.74		
5704. Maintenance, Supplies and Accounts, 1925		23.02			
5708. Fuel and transportation, 1925		4,586.09			
Total current year appropriations	233.11	5,498.46	5,428.59		1.92
Appropriation purchases account material and industrial overhead			971.82		
Grand total	233.11	5,498.46	6,400.41		1.92
7203. Nausett					
——. Oct. 5, 1918 (12)					
5501. Construction and Repair, 1925	592.50	522.23	9,585.54		
5601. Engineering, 1925	10.40	793.89	11,669.52		
5702. Provisions, 1925		2,444.79			
5704. Maintenance, Supplies and Accounts, 1925		109.19			
5708. Fuel and transportation, 1925		2,903.95			
Total current year appropriations	602.90	6,774.05	21,255.06		
Appropriation purchases account material and industrial overhead	*763.84*	776.49	2,802.77		
Grand total	*160.44*	7,550.54	24,057.83		
7212. Navigator					
——. Aug. 20, 1918 (12)					
5501. Construction and Repair, 1925	2,327.88	690.95	932.49		
5601. Engineering, 1925	447.44	1,082.01	1,036.13	*$0.27*	46.35
5704. Maintenance, Supplies and Accounts, 1925	4.32	10.78			
5708. Fuel and transportation, 1925		4,702.56			
Total current year appropriations	2,779.64	6,486.30	1,968.62	*.27*	46.35
Appropriation purchases account material and industrial overhead	*565.59*	559.65	344.72	2,200.00	3.21
Grand total	2,214.05	7,045.95	2,313.34	2,199.73	49.56
7370. Nottoway					
187. July 1, 1911 (12)					
5309. Instruments and Supplies, 1925			1.94		
5501. Construction and Repair, 1925	120.54	1,569.98	4,302.03		
5601. Engineering, 1925	6.10	743.33	2,821.96		4.57
5704. Maintenance, Supplies, and Accounts, 1925		241.62			
5708. Fuel and transportation, 1925		3,514.82			
Total current year appropriations	126.64	6,069.75	7,125.93		4.57
All prior year appropriations	*6.64*				
Appropriation purchases account material and industrial overhead	*179.49*	189.54	1,430.78		.65
Grand total	*59.49*	6,259.29	8,556.71		5.22

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7007. Pawtucket					
225. ——, 1898 (12)					
5309. Instruments and supplies, 1925		$1.65			
5501. Construction and Repair, 1925	$441.71	1,204.81	$6,591.19	$10.91	$90.38
5601. Engineering, 1925		1,352.09	3,117.67		
5701. Pay, Navy, 1925		12,190.36			
5702. Provisions, 1925		3,574.72			
5704. Maintenance, Supplies and Accounts, 1925		179.35			
5708. Fuel and transportation, 1925		8,513.36			
Total current year appropriations	441.71	27,016.34	9,708.86	10.91	90.38
All prior year appropriations		267.39			
Appropriation purchases account material and industrial overhead	*524.52*	549.84	1,123.81	1.76	9.64
Grand total	*82.81*	27,833.57	10,832.67	12.67	100.02
7006. Penacook					
950. ——, 1898 (12)					
5309. Instruments and supplies, 1925					4.81
5501. Construction and Repair, 1925	165.78	500.32	2,535.20		108.67
5601. Engineering, 1925		233.59	3,136.49		
5702. Provisions, 1925		4.56			
5704. Maintenance, Supplies and Accounts, 1925		88.39			
5708. Fuel and transportation, 1925		1,931.87			
Total current year appropriations	165.78	2,758.73	5,671.69		113.48
Appropriation purchases account material and industrial overhead	*580.26*	565.26	521.03		10.16
Grand total	*414.48*	3,323.99	6,192.72		123.64
7690. Penobscott					
——. Apr. 28, 1917 (12)					
5309. Instruments and supplies, 1925					12.40
5501. Construction and Repair, 1925	910.05	677.80	16,204.63		314.30
5601. Engineering, 1925	150.88	1,478.12	7,702.67	585.61	
5701. Pay, Navy, 1925		8,870.16			
5702. Provisions, 1925		357.55			
5704. Maintenance, Supplies and Accounts, 1925		74.31			
5708. Fuel and transportation, 1925		10,372.99			
Total current year appropriations	1,060.93	21,830.93	23,907.30	585.61	326.70
All prior year appropriations		*4.23*			
Appropriation purchases account material and industrial overhead	*5,496.09*	64.63	2,866.66	53.77	24.10
Grand total	*4,435.16*	21,891.33	26,773.96	639.38	350.80
7008. Pentucket					
230. ——, 1903 (12)					
5309. Instruments and supplies, 1925		5.20			
5501. Construction and Repair, 1925	433.08	1,065.81	2,603.52		
5601. Engineering, 1925	104.27	1,026.63	1,050.42		11.75
5701. Pay, Navy, 1925		4,291.16			
5704. Maintenance, Supplies and Accounts, 1925		81.00			
5708. Fuel and transportation, 1925		4,892.65			
Total current year appropriations	537.35	11,362.45	3,653.94		11.75
All prior year appropriations		7.00			
Appropriation purchases account material and industrial overhead	*1,146.33*	1,124.75	429.94		1.10
Grand total	*608.98*	12,494.20	4,083.88		12.85

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7390. Rocket					
206. July 1, 1911 (12)					
5501. Construction and Repair, 1925	$73.98	$24.79	$1,622.94	----------	$298.06
5601. Engineering, 1925	----------	953.65	2,103.89	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	28.22	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,430.77	----------	----------	----------
Total current year appropriations	73.98	4,437.43	3,726.83	----------	298.06
Appropriation purchases account material and industrial overhead	----------	----------	1,556.24	----------	33.09
Grand total	73.98	4,437.43	5,283.07	----------	331.15
7201. Saco					
——. Sept. 30, 1918 (12)					
5501. Construction and Repair, 1925	103.84	728.21	1,403.65	----------	----------
5601. Engineering, 1925	----------	922.60	2,067.88	----------	----------
5701. Pay, Navy, 1925	----------	1,858.50	----------	----------	----------
5702. Provisions, 1925	----------	709.00	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	81.69	----------	----------	----------
5708. Fuel and transportation, 1925	----------	4,282.76	----------	----------	----------
Total current year appropriations	103,84	8,582.76	3,471.53	----------	----------
Appropriation purchases account material and industrial overhead	----------	.22	11.72	----------	----------
Grand total	103.84	8,582.98	3,483.25	----------	----------
7005. Samoset					
225. ——, 1897 (12)					
5501. Construction and Repair, 1925	394.53	761.84	2,187.52	----------	27.34
5601. Engineering, 1925	82.40	728.22	2,676.72	----------	----------
5702. Provisions, 1925	----------	2,326.75	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	9.16	162.92	----------	----------	----------
5708. Fuel and transportation, 1925	----------	2,708.05	----------	----------	----------
Total current year appropriations	486.09	6,687.78	4,864.24	----------	27.34
Appropriation purchases account material and industrial overhead	*384.75*	375.43	846.09	----------	2.23
Grand total	101.34	7,063.21	5,710.33	----------	29.57
8782. S. P. 467					
——. —— (12)					
5309. Instruments and supplies, 1925	13.19	----------	----------	----------	9.02
5501. Construction and Repair, 1925	642.97	----------	3,513.55	*$46.87*	----------
5601. Engineering, 1925	104.65	----------	1,628.34	----------	----------
5708. Fuel and transportation, 1925	----------	2,446.01	----------	----------	----------
Total current year appropriations	760.81	2,446.01	5,141.89	*46.87*	9.02
Appropriation purchases account material and industrial overhead	*773.02*	762.32	2,808.42	----------	4.22
Grand total	*12.21*	3,208.33	7,950.31	*46.87*	13.24
7391. Sebago					
243. July 1, 1911 (12)					
5309. Instruments and supplies, 1925	21.00	1.20	----------	----------	----------
5501. Construction and Repair, 1925	939.12	1,120.53	26,303.23	----------	317.81
5601. Engineering, 1925	275.04	610.62	7,896.75	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	106.01	----------	----------	----------
5708. Fuel and transportation, 1925	----------	1,612.06	----------	----------	----------
Total current year appropriations	1,235.16	3,450.42	34,199.98	----------	317.81
Appropriation purchases account material and industrial overhead	*1,067.72*	1,084.31	16,566.25	----------	71.17
Grand total	167.44	4,534.73	50,766.23	----------	388.98

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7009, Sotoyomo					
230. ——, 1903 (12)					
5501. Construction and Repair, 1925	$318.69	$1,365.17	$5,005.14	----------	$148.16
5601. Engineering, 1925	11.20	1,182.48	2,575.13	----------	----------
5701. Pay, Navy, 1925	----------	11,241.71	----------	----------	----------
5702. Provisions, 1925	----------	3,172.01	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	19.57	217.39	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,397.30	----------	----------	----------
Total current year appropriations	349.46	20,576.06	7,580.27	----------	148.16
All prior year appropriations	----------	*3.20*	----------	----------	----------
Appropriation purchases account material and industrial overhead	*344.93*	354.48	800.84	----------	17.27
Grand total	4.53	20,927.34	8,381.11	----------	165.43
7393, Tecumseh					
221. July 1, 1911 (12)					
5501. Construction and Repair, 1925	35.00	1,105.43	1,417.95	----------	----------
5601. Engineering, 1925	329.23	1,152.53	906.46	----------	133.90
5701. Pay, Navy, 1925	----------	775.13	----------	----------	----------
5702. Provisions, 1925	----------	4,588.13	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	17.36	27.00	----------	----------	----------
5708. Fuel and transportation, 1925	----------	5,062.95	----------	----------	----------
Total current year appropriations	381.59	12,711.17	2,324.41	----------	133.90
All prior year appropriations	----------	332.37	----------	----------	----------
Appropriation purchases account material and industrial overhead	----------	28.74	403.37	----------	27.93
Grand total	381.59	13,072.28	2,727.78	----------	161.83
7396. Triton					
212. Mar. 22, 1917 (12)					
5501. Construction and Repair, 1925	731.92	----------	1,781.88	----------	----------
5601. Engineering, 1925	----------	----------	1,868.00	----------	----------
5702. Provisions, 1925	----------	1.66	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	2.76	----------	----------	----------
5708. Fuel and transportation, 1925	----------	1.59	----------	----------	----------
Total current year appropriations	731.92	6.01	3,649.88	----------	----------
All prior year appropriations	73.19	359.54	----------	----------	----------
Appropriation purchases account material and industrial overhead	1,797.19	----------	2,059.66	----------	----------
Grand total	2,602.30	365.55	5,709.54	----------	----------
7004. Unadilla					
355. ——, 1895 (12)					
5501. Construction and Repair, 1925	2,693.72	971.95	6,250.06	$8.48	85.83
5601. Engineering, 1925	----------	510.79	7,608.07	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	4.92	42.58	----------	----------	----------
5708. Fuel and transportation, 1925	----------	4,458.96	----------	----------	----------
Total current year appropriations	2,698.64	5,984.28	13,858.13	8.48	85.83
Appropriation purchases account material and industrial overhead	*2,162.45*	1,888.67	2,347.92	----------	8.15
Grand total	536.19	7,872.95	16,206.05	8.48	93.98

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7398. Vigilant					
300. July 1, 1911 (12)					
5501. Construction and Repair, 1925	$701.88	----------	$226.00	----------	----------
5601. Engineering, 1925	----------	$681.77	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	48.39	----------	----------	----------
5708. Fuel and transportation, 1925	----------	4,940.01	----------	----------	----------
Total current year appropriations	701.88	5,670.17	226.00	----------	----------
Appropriation purchases account material and industrial overhead	*231.37*	231.37	6.13	----------	----------
Grand total	470.51	5,901.54	232.13	----------	----------
7373. Wicomico					
274. July 1, 1911 (12)					
5501. Construction and Repair, 1925	695.59	74.95	5,467.45	----------	$90.88
5601. Engineering, 1925	----------	819.06	7,864.47	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	57.11	----------	----------	----------
5708. Fuel and transportation, 1925	----------	5,625.28	----------	----------	----------
Total current year appropriations	695.59	6,576.40	13,331.92	----------	90.88
Appropriation purchases account material and industrial overhead	----------	----------	5,068.33	----------	13.00
Grand total	695.59	6,576.40	18,400.25	----------	103.88
7400. Wompatuck					
——. ——— (12)					
5101. Pay, Miscellaneous, 1925	----------	2.00	----------	----------	----------
5309. Instruments and supplies, 1925	300.00	----------	----------	----------	22.96
5501. Construction and Repair, 1925	2,389.01	3,654.08	8,725.16	----------	43.71
5601. Engineering, 1925	100.14	2,362.39	5,223.30	----------	315.80
5701. Pay, Navy, 1925	----------	18,086.64	----------	----------	----------
5702. Provisions, 1925	----------	7,620.57	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	34.01	315.44	----------	----------	----------
5708. Fuel and transportation, 1925	----------	14,830.53	----------	----------	----------
Total current year appropriations	2,823.16	46,871.65	13,948.46	----------	382.47
All prior year appropriations	----------	79.94	----------	----------	----------
Appropriation purchases account material and industrial overhead	*2,995.31*	2,648.61	4,346.90	----------	90.66
Grand total	*172.15*	49,600.20	18,295.36	----------	473.13
7056. Tug 56					
——. ——— (12)					
5501. Construction and Repair, 1925	230.79	543.63	1,884.20	----------	----------
5601. Engineering, 1925	14.48	920.52	24.20	----------	----------
5701. Pay, Navy, 1925	----------	4,227.97	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	63.06	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,806.76	----------	----------	----------
Total current year appropriations	245.27	9,561.94	1,908.40	----------	----------
Appropriation purchases account material and industrial overhead	----------	----------	50.21	----------	----------
Grand total	245.27	9,561.94	1,958.61	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, TUGS—continued					
7067. Tug 67					
——. —— (11)					
5501. Construction and Repair, 1925	$369.02	$611.52	$2,057.80	----------	----------
5601. Engineering, 1925	156.10	674.95	47.43	----------	----------
5701. Pay, Navy, 1925	----------	4,181.40	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	33.80	----------	----------	----------
5708. Fuel and transportation, 1925	----------	2,861.80	----------	----------	----------
Total current year appropriations	525.12	8,363.47	2,105.23	----------	----------
All prior year appropriations	----------	*5.50*	----------	----------	----------
Appropriation purchases account material and industrial overhead	----------	----------	139.99	----------	----------
Grand total	525.12	8,357.97	2,245.22	----------	----------
7071. Tug 71					
——. —— (12)					
5309. Instruments and supplies, 1925	----------	----------	----------	----------	$22.18
5501. Construction and Repair, 1925	358.42	725.56	4,848.31	$580.90	40.34
5601. Engineering, 1925	50.19	663.33	4,933.99	58.96	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	187.81	----------	----------	----------
5708. Fuel and transportation, 1925	----------	3,002.20	----------	----------	----------
Total current year appropriations	408.61	4,578.90	9,782.30	639.86	62.52
Appropriation purchases account material and industrial overhead	*240.11*	242.32	1,528.80	78.81	5.04
Grand total	168.50	4,821.22	11,311.10	718.67	67.56
7072. Tug 72					
——. —— (12)					
5708. Fuel and transportation	----------	5,765.94	----------	----------	----------
Total current year appropriations	----------	5,765.94	----------	----------	----------
Grand total	----------	5,765.94	----------	----------	----------
7073. Tug 73					
——. —— (12)					
5501. Construction and Repair, 1925	----------	----------	.99	----------	----------
5708. Fuel and transportation, 1925	----------	2,142.68	----------	----------	----------
Total current year appropriations	----------	2,142.68	.99	----------	----------
Appropriation purchases account material and industrial overhead	----------	----------	*.09*	----------	----------
Grand total	----------	2,142.68	.90	----------	----------
7081. Tug 81					
——. —— (10)					
5501. Construction and Repair, 1925	44.56	737.44	3,093.00	----------	----------
5601. Engineering, 1925	86.68	298.75	1,288.16	----------	----------
5701. Pay, Navy, 1925	----------	4,286.58	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	57.53	----------	----------	----------
5708. Fuel and transportation, 1925	----------	1,566.19	----------	----------	----------
Total current year appropriations	131.24	6,946.49	4,381.16	----------	----------
Appropriation purchases account material and industrial overhead	----------	10.00	517.25	----------	----------
Grand total	131.24	6,956.49	4,898.41	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
DISTRICT CRAFT, PATROL VESSELS					
7724. Clarinda					
——. —— (12)					
5309. Instruments and supplies, 1925	$24.00	$3.75			$11.87
5501. Construction and Repair, 1925	407.70	357.88	$2,782.07		323.87
5601. Engineering, 1925	136.78	239.07	1,753.25		751.36
5704. Maintenance, Supplies and Accounts, 1925		43.18			
5708. Fuel and transportation, 1925		878.81			
Total current year appropriations	568.48	1,522.69	4,535.32		1,087.10
Appropriation purchases account material and industrial overhead	*303.88*	251.88	1,348.30		64.31
Grand total	264.60	1,774.57	5,883.62		1,151.41
7807. Privateer					
50. Aug. 15, 1917 (12)					
5309. Instruments and supplies, 1925	15.00				
5501. Construction and Repair, 1925	225.43	410.10	907.65		12.01
5601. Engineering, 1925	972.94	412.39	1,415.65		313.42
5701. Pay, Navy, 1925		9,107.42			
5702. Provisions, 1925		167.50			
5704. Maintenance, Supplies and Accounts, 1925		17.94			
5708. Fuel and transportation, 1925		1,121.48			
Total current year appropriations	1,213.37	11,236.83	2,323.30		325.43
All prior year appropriations		15.00			
Appropriation purchases account material and industrial overhead	88.88	1.11	130.26		20.37
Grand total	1,302.25	11,252.94	2,453.56		345.80
7874. Zumbrota					
——. Aug. 11, 1917 (12)					
5501. Construction and Repair, 1925	107.90	242.17	165.16		
5601. Engineering, 1925		239.58	30.68		
5701. Pay, Navy, 1925		3,297.60			
5702. Provisions, 1925		1,092.00			
5704. Maintenance, Supplies and Accounts, 1925		14.28			
5708. Fuel and transportation, 1925		331.77			
Total current year appropriations	107.90	5,217.40	195.84		
DISTRICT CRAFT, UNCLASSIFIED					
7395. Transfer					
——. January, 1924 (12)					
5309. Instruments and Supplies, 1925	18.00	.76			12.52
5501. Construction and Repair, 1925	210.86	1,099.15	1,880.70		88.94
5601. Engineering, 1925	61.75	1,382.56	334.35		12.62
5701. Pay, Navy, 1925		4,200.15			
5702. Provisions, 1925		2.10			
5704. Maintenance, Supplies and Accounts, 1925		77.44			
5708. Fuel and transportation, 1925		4,208.48			
Total current year appropriations	290.61	10,970.64	2,215.05		114.08
All prior year appropriations		80.60			
Appropriation purchases account material and industrial overhead	*298.37*	248.86	128.78		11.89
Grand total	*7.76*	11,300.10	2,343.83		125.97

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
AIR FORCES					
8981. Aircraft Squadron, Asiatic Fleet					
5401. Ordnance and ordnance stores, 1925	$50.00	$300.00	----------	----------	----------
5601. Engineering, 1925	186.00	14.00	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	135.00	----------	----------	----------	----------
5854. Aviation, Navy, 1925	1,017.92	----------	----------	----------	----------
Total current year appropriations	1,388.92	314.00	----------	----------	----------
Appropriation purchases account material and industrial overhead	350,747.39	7,524.44	----------	----------	----------
Grand total	352,136.31	7,838.44	----------	----------	----------
8987. Air Force, Atlantic Fleet					
5327. Recreation, 1925	----------	86.40	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	16.67	491.92	----------	----------	----------
5701. Pay, Navy, 1925	----------	23,438.20	----------	----------	----------
5702. Provisions, 1925	----------	364.00	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	597.88	441.21	----------	----------	----------
5854. Aviation, Navy, 1925	1,685.87	----------	----------	----------	----------
Total current year appropriations	2,300.42	24,821.73	----------	----------	----------
All prior year appropriations	4,964.95	*4.65*	----------	----------	----------
Appropriation purchases account material and industrial overhead	*1,532,648.95*	103,746.60	----------	----------	----------
Grand total	*1,525,383.58*	128,563.68	----------	----------	----------
8991. Air Force, Pacific Fleet					
5101. Pay, miscellaneous, 1925	----------	1,969.16	----------	----------	----------
5309. Instruments and supplies, 1925	9.60	507.24	----------	----------	----------
5327. Recreation, 1925	----------	1,632.68	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	411.57	----------	----------	----------
5501. Construction and Repair, 1925	156.15	734.31	----------	----------	----------
5702. Provisions, 1925	----------	1,377.30	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	210.00	14.00	----------	----------	$237.50
5854. Aviation, Navy, 1925	5,273.03	230.00	----------	----------	4.00
Total current year appropriations	5,648.78	6,876.26	----------	----------	241.50
All prior year appropriations	96.75	733.76	----------	----------	----------
Appropriation purchases account material and industrial overhead	*1,433,347.39*	62,736.59	----------	----------	----------
Grand total	*1,427,601.86*	70,346.61	----------	----------	241.50
8998. Atlantic Fleet, Torpedo Plane Squadron					
5101. Pay, miscellaneous, 1925	----------	7.52	----------	----------	----------
5701. Pay, Navy, 1925	----------	114,359.05	----------	----------	----------
5702. Provisions, 1925	----------	2,404.00	----------	----------	----------
Total current year appropriations	----------	116,770.57	----------	----------	----------
SHORE ACTIVITIES					
8921. Receiving ship Portsmouth					
5501. Construction and Repair, 1925	----------	----------	----------	----------	468.44
5601. Engineering, 1925	----------	----------	----------	----------	236.89
Total current year appropriations	----------	----------	----------	----------	705.33
Appropriation purchases account material and industrial overhead	----------	----------	----------	----------	71.93
Grand total	----------	----------	----------	----------	777.26

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8972. Supply office auxiliaries, Portsmouth					
5101. Pay, miscellaneous, 1925		$31.50			
5501. Construction and Repair, 1925	$32.69	117.56			
5601. Engineering, 1925	3.36	43.35			
5701. Pay, Navy, 1925		118,075.50			
5702. Provisions, 1925		13,224.15			
5704. Maintenance, Supplies and Accounts, 1925	223.09	152.90			
Total current year appropriations	259.14	131,644.96			
Appropriation purchases account material and industrial overhead	*226.88*	*226.64*			
Grand total	32.26	131,871.60			
118. Air Station, Chatham					
Appropriation purchases account material and industrial overhead	*40,157.89*				
9901. First Naval District					
5322. Organizing Naval Reserve Force:					
Subhead No. 4	570.33				
Subhead No. 5	3,123.97				
Total current year appropriations	3,694.30				
Appropriation purchases account material and industrial overhead	26,203.96				
Grand total	29,898.26				
8922. Receiving ship, Boston					
5101. Pay, miscellaneous, 1925		121.44			
5309. Instruments and supplies, 1925	31.51				
5322. Organizing Naval Reserve Force, 1922 (subhead No. 3)		93.01			
5401. Ordnance and ordnance stores, 1925	31.15				
5501. Construction and Repair, 1925	1,982.18	4,600.63			
5601. Engineering, 1925	422.60	512.81			
5701. Pay, Navy, 1925		228,830.21			
5702. Provisions, 1925		48,042.59			
5704. Maintenance, Supplies and Accounts, 1925	1,782.38	1,829.66			$164.88
5708. Fuel and transportation, 1925		12,137.08			
5901. Pay, Marine Corps, 1925		18,537.74			
Total current year appropriations	4,249.82	314,705.17			164.88
All prior year appropriations	132.49	149.76			
Appropriation purchases account material and industrial overhead	*1,583.14*	891.91			
Grand total	2,799.17	315,746.84			164.88
8985. Yard craft, Boston					
5501. Construction and Repair, 1925		4.20			
5601. Engineering, 1925		87.05			
5702. Provisions, 1925		7,501.69			
5704. Maintenance, Supplies and Accounts, 1925		3.56			
5708. Fuel and transportation, 1925		414.72			
Total current year appropriations		8,011.22			
Grand total		8,011.22			
8939. Submarine base, New London					
5701. Pay, Navy, 1925		12.20			
5702. Provisions, 1925		*20,332.47*			
5708. Fuel and transportation, 1925		352.86			
Total current year appropriations		*19,967.41*			
Appropriation purchases account material and industrial overhead	*4,258.90*	182.65			
Grand total	*4,258.90*	*19,784.76*			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8923. Receiving ship, New York					
5101. Pay, miscellaneous, 1925	----------	$185.28	----------	----------	----------
5201. Maintenance, Yards and Docks, 1925	----------	300.27	----------	----------	----------
5302. Transportation, navigation, 1925	----------	376.41	----------	----------	----------
5309. Instruments and supplies, 1925	$46.50	3.65	----------	----------	$23.81
5305. Gunnery and engineering exercises, 1925	----------	10.00	----------	----------	----------
5327. Recreation, 1925	----------	392.83	----------	----------	----------
5501. Construction and Repair, 1925	614.36	5,594.34	----------	----------	1,861.84
5601. Engineering, 1925	367.38	1,589.55	$116.01	----------	985.45
5701. Pay, Navy, 1925	----------	710,935.60	----------	----------	----------
5702. Provisions, 1925	----------	163,250.24	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	2,021.04	3,383.89	----------	----------	361.51
5708. Fuel and transportation, 1925	----------	20,698.95	----------	----------	----------
5802. Contingent, Medicine and Surgery, 1925	----------	207.25	----------	----------	----------
5901. Pay, Marine Corps, 1925	----------	24,347.25	----------	----------	----------
Total current year appropriations	3,049.28	931,275.51	116.01	----------	3,232.61
All prior year appropriations	----------	152.64	----------	----------	----------
Appropriation purchases account material and industrial overhead	*4,188.84*	4,789.02	4.15	----------	188.20
Grand total	*1,139.56*	936,217.17	120.16	----------	3,420.81
9903. Third Naval District					
5201. Maintenance, Yards and Docks	78.60	----------	----------	----------	----------
5393. Contingent and miscellaneous expenses, Hydrographic Office, 1925	47.00	----------	----------	----------	----------
5501. Construction and Repair, 1925	1,395.14	----------	----------	----------	----------
5601. Engineering, 1925	129.76	----------	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	911.39	----------	----------	----------	----------
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	816.89	----------	----------	----------	----------
Subhead No. 4	1,158.72	----------	----------	----------	----------
Subhead No. 5	17,936.26	----------	----------	----------	----------
Subhead No. 7	30.96	----------	----------	----------	----------
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 15	42.64	----------	----------	----------	----------
Subhead No. 16	30.96	----------	----------	----------	----------
Subhead No. 17	23.00	----------	----------	----------	----------
Total current year appropriations	22,601.32	----------	----------	----------	----------
All prior year appropriations	10,646.06	----------	----------	----------	----------
Appropriation purchases account material and industrial overhead	44,919.22	----------	----------	----------	----------
Grand total	78,166.60	----------	----------	----------	----------
265. Air Station, Lakehurst					
Appropriation purchases account material and industrial overhead	149,594.59	----------	----------	----------	----------
Grand total	149,594.59	----------	----------	----------	----------
156. Aircraft factory, Philadelphia					
Appropriation purchases account material and industrial overhead	143,828.35	----------	----------	----------	----------
Grand total	143,828.35	----------	----------	----------	----------
159. Destroyers stores office, Philadelphia					
5704. Maintenance, Supplies and Accounts, 1925	717.50	----------	----------	----------	----------
Total current year appropriations	717.50	----------	----------	----------	----------
Appropriation purchases account material and industrial overhead	*645.50*	----------	----------	----------	----------
Grand total	72.00	----------	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8924. Receiving ship, Philadelphia, Pa.					
5101. Pay, miscellaneous, 1925		$806.21			
5309. Instruments and supplies, 1925		72.50			
5327. Recreation, 1925		4.25			
5501. Construction and Repair, 1925	$109.00	9,845.71			
5701. Pay, Navy, 1925		627,042.37			
5702. Provisions, 1925		136,611.03			
5704. Maintenance, Supplies and Accounts, 1925	1,162.77	4,456.47			$572.73
5802. Contingent, Medicine and Surgery, 1925		298.29			
Total current year appropriations	1,271.77	779,136.83			572.73
All prior year appropriations	62.00	*7,062.81*			221.50
Appropriation purchases account material and industrial overhead	*14,346.88*	5,667.42			
Grand total	*13,013.11*	777,741.44			794.23
9904. Fourth Naval District					
5322. Organizing Naval Reserve Forces, 1925, subhead No. 3	7.95				
Total current year appropriations	7.95				
Appropriation purchases account material and industrial overhead	148.01				
Grand total	155.96				
8937. Ships, Naval Academy					
5501. Construction and Repair, 1925	6,051.64	9,440.64	$67.00		6,355.06
5601. Engineering, 1925	9,734.50	3,263.89	315.78		1,273.59
5704. Maintenance, Supplies and Accounts, 1925		1,222.50			
5708. Fuel and transportation, 1925		15.24			
Total current year appropriations	15,786.14	13,942.27	382.78		7,628.65
Appropriation purchases account material and industrial overhead	210,341.86	13,138.83	1,595.03		4,278.91
Grand total	226,128.00	27,081.10	1,977.81		11,907.56
8947. Receiving ship, Washington					
5101. Pay, miscellaneous, 1925		12.56			
5309. Instruments and supplies, 1925		153.47			
5327. Recreation, 1925		146.45			
5501. Construction and Repair, 1925	177.10	498.43			183.28
5601. Engineering, 1925		24.20			
5701. Pay, Navy, 1925		458,997.32			
5702. Provisions, 1925		145,938.49			
5704. Maintenance, Supplies and Accounts, 1925	2,389.64	1,738.51			66.00
5708. Fuel and transportation, 1925		256.80			
Total current year appropriations	2,566.74	607,766.23			249.28
All prior year appropriations		*10.50*			
Appropriation purchases account material and industrial overhead	*4,470.31*	1,755.57			33.41
Grand total	*1,903.57*	609,511.30			282.69
8978. Yard craft, Washington					
5501. Construction and Repair, 1925		4.20			
5601. Engineering, 1925		11.00			
5701. Pay, Navy, 1925		42,378.12			
5702. Provisions, 1925		176.44			
5704. Maintenance, Supplies and Accounts, 1925		94.98			
Total current year appropriations		42,664.74			
Appropriation purchases account material and industrial overhead	*1,624.23*	1,717.35			
Grand total	*1,624.23*	44,382.09			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
166. Air station, Anacostia					
Appropriation purchases account material and industrial overhead	$1,217,768.32				
Grand total	1,217,768.32				
178. Naval proving grounds, Dahlgren					
Appropriation purchases account material and industrial overhead	36,380.58				
Grand total	36,380.58				
181. Navy yard, Norfolk					
Appropriation purchases account material and industrial overhead	*69,013.98*				
Grand total	*69,013.98*				
8925. Receiving ship, Norfolk					
5101. Pay, miscellaneous, 1925		$54.40			
5702. Provisions, 1925		74.05			
5704. Maintenance, Supplies and Accounts, 1925					
Total current year appropriation		128.45			
Grand total		128.45			
8979. Yard craft, Norfolk					
5327. Recreation, 1925		229.10			
5701. Pay, Navy, 1925		127,861.97			
5702. Provisions, 1925		36,284.69			
5704. Maintenance, Supplies and Accounts	70.00				$56.45
5708. Fuel and transportation, 1925		1,256.91			
Total current year appropriations	70.00	165,632.67			56.45
All prior year appropriations		58.98			
Appropriation purchases account material and industrial overhead	*2,989.83*	2,698.43			
Grand total	*2,919.83*	168,390.08			56.45
9905. Fifth Naval District					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	148.05				
Subhead No. 5	74.16				
Total current year appropriations	222.21				
All prior year appropriations	7,432.91				
Appropriation purchases account material and industrial overhead	8,749.64	1.00			
Grand total	16,404.76	1.00			
188. Air station, Hampton Roads					
Appropriation purchases account material and industrial overhead	*1,163,388.87*				
Grand total	*1,163,388.87*				
187. Naval operating base, Hampton Roads					
5704. Maintenance, Supplies and Accounts	268.68				
Total current year appropriations	268.68				

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8966. Receiving ship, Hampton Roads					
5101. Pay, miscellaneous, 1925		$131.60			
5501. Construction and Repair, 1925	$158.10				
5701. Pay, Navy, 1925		515,155.75			
5702. Provisions, 1925		37,466.33			
5704. Maintenance, Supplies and Accounts, 1925	30.92	1,570.71			
Total current year appropriations	189.02	554,324.39			
Appropriation purchases account material and industrial overhead	*630.73*	434.60			
Grand total	*441.71*	554,758.99			
8968. Submarine base, Hampton Roads					
5701. Pay, Navy, 1925		74.40			
Total current year appropriations		74.40			
8980. Yard craft, Hampton Roads					
5701. Pay, Navy, 1925		6.83			
5702. Provisions, 1925		12,603.37			
Total current year appropriations		12,610.20			
All prior year appropriations		*20.16*			
Appropriation purchases account material and industrial overhead	*2,819.65*	2,719.25			
Grand total	*2,819.65*	15,309.29			
8926. Receiving ship, Charleston					
5101. Pay, miscellaneous, 1925		48.20			
5309. Instruments and supplies, 1925	13.50	17.39			
5501. Construction and Repair, 1925	78.92	96.16			
5601. Engineering, 1925	19.11	328.09			$10.05
5701. Pay, Navy, 1925		191,593.24			
5702. Provisions, 1925		50,950.90			
5704. Maintenance, Supplies and Accounts	671.38	497.34			56.25
5708. Fuel and transportation, 1925		3,311.34			
5802. Contingent, medicine, and surgery, 1925		54.82			
5901. Pay, Marine Corps, 1925		13,627.46			
Total current year appropriations	782.91	260,524.94			66.30
All prior year appropriations		7.51			
Appropriation purchases account material and industrial overhead	*546.70*	1,278.63			
Grand total	236.21	261,811.08			66.30
9906. Sixth Naval District					
5322. Organizing Naval Reserve Force, 1925, subheads No. 3	66.92				
Total current year appropriations	66.92				
Appropriation purchases account material and industrial overhead	*2,377.70*				
Grand total	*2,310.78*				
8941. Receiving ship, Key West					
5704. Maintenance, Supplies and Accounts, 1925	93.32				
Total current year appropriations	93.32				
Appropriation purchases account material and industrial overhead	*120.84*	72.24			
Grand total	*27.52*	72.24			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
204. Air station, Pensacola					
Appropriation purchases account material and industrial overhead	$103,822.31				
Grand total	103,822.31				
9908. Eighth Naval District					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	1.41				
Subhead No. 5	1,303.22				
Total current year appropriations	1,304.63				
Appropriation purchases account material and industrial overhead	5,975.61				
Grand total	7,280.24				
210. Training station, Great Lakes					
Appropriation purchases account material and industrial overhead	157,036.30				
Grand total	157,036.30				
9909. Ninth Naval District					
5309. Instruments and supplies, 1925	300.00				
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	916.79				
Subhead No. 4	1,065.13				
Subhead No. 5	1,961.70				
Subhead No. 7	587.26				
Subhead No. 17	65.00				
Total current year appropriations	4,895.88				
All prior year appropriations	*359.52*				
Appropriation purchases account material and industrial overhead	*270,420.60*				
Grand total	*265,884.24*				
8928. Receiving ship, Puget Sound					
5101. Pay, miscellaneous, 1925		$107.12			
5501. Construction and Repair, 1925	24.26				$869.12
5601. Engineering, 1925			$1,032.97		666.53
5701. Pay, Navy, 1925		265,620.40			
5702. Provisions, 1925		33,738.15			
5704. Maintenance, Supplies and Accounts, 1925	20.86	1.19			3.90
5802. Contingent, Medicine and Surgery, 1925		52.02			
5901. Pay, Marine Corps, 1925		7,713.90			
Total current year appropriations	45.12	307,232.78	1,032.97		1,539.55
All prior year appropriations		598.62			
Appropriation purchases account material and industrial overhead	*4,809.61*	5,427 29	108.16		255.09
Grand total	*4,764.49*	313,258.69	1,141.13		1,794.64
9913. Thirteenth Naval District					
5704. Maintenance, Supplies and Accounts, 1925	87.50				
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	638.35				
Subhead No. 5	14.30				
Subhead No. 7	70.00				
Total current year appropriations	810.15				
Appropriation purchases account material and industrial overhead	2,154.53				
Grand total	2,964.68				

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8936. Yard craft, Mare Island					
5101. Pay, miscellaneous, 1925		$2.30			
5701. Pay, Navy, 1925		208,258.83			
5702. Provisions, 1925		41,864.28			
5704. Maintenance, Supplies and Accounts, 1925					$51.90
Total current year appropriations		250,125.41			51.90
All prior year appropriations		45.00			
Appropriation purchases account material and industrial overhead	*$29.90*	25.60			
Grand total	*29.90*	250,196.01			51.90
8927. Receiving ship, San Francisco					
5101. Pay, miscellaneous, 1925		251.83			
5201. Maintenance, Yards and Docks, 1925		12,613.96			
5309. Instruments and supplies, 1925	202.53	1,617.81			
5322. Organizing Naval Reserve Force, 1925, subhead No. 11		6.00			
5401. Ordnance and ordnance stores, 1925		3.80			
5501. Construction and Repair, 1925	3,327.42	6,056.46			51.32
5601. Engineering, 1925	2,460.61	3,935.83	$123.58		3,241.01
5701. Pay, Navy, 1925		1,071,870.38			
5702. Provisions, 1925		129,211.20			
5704. Maintenance, Supplies and Accounts, 1925	782.99	3,854.59			417.55
5708. Fuel and transportation, 1925	54.00	20,371.99			
5801. Medical Department, 1925		152.55			
5802. Contingent, Medicine and Surgery, 1925		675.07			
59C1. Pay, Marine Corps, 1925		18,729.89			
Total current year appropriations	6,827.55	1,269,351.36	123.58		3,709.88
All prior year appropriations		3,771.73			29.24
Appropriation purchases account material and industrial overhead	*20,362.56*	31,574.00	33.68		47.48
Grand total	*13,535.01*	1,304,697.09	157.26		3,786.60
9912. Twelfth Naval District					
5704. Maintenance, Supplies and Accounts, 1925	195.36				
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3	676.89				
Subhead No. 5	1,383.74				
Total current year appropriations	2,255.99				
All prior year appropriations	*740.00*				
Appropriation purchases account material and industrial overhead	9,685.66				
Grand total	11,201.65				
246. Naval Air Station, San Diego					
5853. Aviation, Navy, 1925	70.20				
Total current year appropriations	70.20				
Appropriation purchases account material and industrial overhead	476,378.26				
Grand total	476,448.46				
247. Naval training station, San Diego					
Appropriation purchases account material and industrial overhead	*25,333.55*				
Grand total	*25,333.55*				

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
249. Naval torpedo school, San Diego					
Appropriation purchases account material and industrial overhead	*$24,111.26*				
Grand total	*24,111.26*				
8960. Small craft supply office, San Diego					
5854. Aviation, Navy, 1925		$26.05			
Total current year appropriations		26.05			
9911. Eleventh Naval District					
5322. Organizing Naval Reserve Force, 1925, Subhead No. 3	608.50				
5501. Construction and Repair, 1925	102.05				
Total current year appropriations	710.55				
All prior year appropriations	4.50				
Appropriation purchases account material and industrial overhead	27,388.01				
Grand total	28,103.06				
8949. Receiving ship, Guantanamo					
5701. Pay, Navy, 1925		32,341.82			
5702. Provisions, 1925		24,565.32			
5704. Maintenance, Supplies and Accounts, 1925	55.36				
5708. Fuel and transportation, 1925		3,763.82			
5801. Medical Department, 1925		4,252.64			
5802. Contingent, Medicine and Surgery, 1925		2,033.56			
Total current year appropriations	55.36	66,957.16			
Appropriation purchases account material and industrial overhead	*18.89*	18.89			
Grand total	36.47	66,976.05			
305. Air station, Coco Solo					
Appropriation purchases account material and industrial overhead	125,288.00				
Grand total	125,288.00				
303. Submarine base, Coco Solo					
5501. Construction and Repair, 1925	44.10				
Total current year appropriations	44.10				
Appropriation purchases account material and industrial overhead	2,552.04				
Grand total	2,596.14				
8990. Submarine base, Coco Solo					
5101. Pay, miscellaneous, 1925		679.83			
5309. Instruments and supplies, 1925	191.66				
5401. Ordnance and ordnance stores, 1925		750.00			
5501. Construction and Repair, 1925	141.62				
5701. Pay, Navy, 1925		133,301.01			
5702. Provisions, 1925		*19,536.18*			
5704. Maintenance, Supplies and Accounts, 1925	290.83	1,225.00			
5708. Fuel and transportation, 1925		2,113.20			
5802. Contingent, Medicine and Surgery, 1925		211.46			
5854. Aviation, Navy, 1925		31.50			
Total current year appropriations	624.11	118,775.82			
All prior year appropriations	4.00	4,024.35			
Appropriation purchases account material and industrial overhead	*43,648.85*	53,371.30	*$3,693.91*		*$56.14*
Grand total	*43,020.74*	176,171.47	*3,693.91*		*56.14*

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
9915. Fifteenth Naval District					
Appropriation purchases account material and industrial overhead	$804.48	$6.67			
Grand total	804.48	6.67			
375. Santo Domingo					
5501. Construction and Repair, 1925	30.00				
Total current year appropriations	30.00				
Appropriation purchases account material and industrial overhead	*78,440.83*				
Grand total	*78,410.83*				
315. Naval air station, Pearl Harbor					
5854. Aviation, Navy, 1925	1,027.95				
Total current year appropriations	1,027.95				
Appropriation purchases account material and industrial overhead	*282,436.57*				
Grand total	*281,408.62*				
8948. Receiving ship, Pearl Harbor					
5309. Instruments and supplies, 1925	1,237.54	5.31			
5327. Recreation, 1925		604.14			
5401. Ordnance and ordnance stores, 1925		25.64			
5501. Construction and Repair, 1925	1,256.17	10,992.15			
5601. Engineering, 1925	665.17	5,982.96			
5701. Pay, Navy, 1925		174,602.67			
5702. Provisions, 1925		34,087.80			
5704. Maintenance, Supplies and Accounts, 1925	248.29	4,445.19			$164.16
5708. Fuel and transportation, 1925		665.03			
Total current year appropriations	3,407.17	231,410.89			164.16
All prior year appropriations	*76.63*				
Appropriation purchases account material and industrial overhead	*6,828.04*	1,088.19			50.68
Grand total	*3,497.50*	232,499.08			214.84
8988. Submarine Base, Pearl Harbor					
5309. Instruments and supplies					143.53
5401. Ordnance and ordnance stores, 1925	92.84				84.82
5501. Construction and Repair, 1925	17,579.25		$154.60		3,599.95
5601. Engineering, 1925	7,862.13		277.54		266.00
5701. Pay, Navy, 1925		189.87			
5702. Provisions, 1925		*88,754.54*			
5704. Maintenance, Supplies and Accounts, 1925	524.55				20.00
Total current year appropriations	26,058.77	*88,564.67*	432.14		4,114.30
Appropriation purchases account material and industrial overhead	*5,756.92*	19,264.87	82.61		1,566.53
Grand total	20,301.85	*69,299.80*	514.75		5,680.83
9914. Fourteenth Naval District					
5501. Construction and Repair, 1925	26.14				
5601. Engineering, 1925	334.20				
Total current year appropriations	360.34				
Appropriation purchases account material and industrial overhead	*1,824.33*	375.82			
Grand total	*1,463.99*	375.82			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8929. Receiving ship, Cavite					
5101. Pay, miscellaneous, 1925		$21.45			
5327. Recreation, 1925		23.30			
5701. Pay, Navy, 1925		174,262.07			
5702. Provisions, 1925		30,073.81			
5704. Maintenance, Supplies and Accounts, 1925		1.19			
Total current year appropriations		204,381.82			
All prior year appropriations		75.83			
Appropriation purchases account material and industrial overhead	*$3,633.39*	753.99			
Grand total	*3,633.39*	205,211.64			
320. Submarine base, Cavite					
5401. Ordnance and ordnance stores, 1925	120.43				
5501. Construction and Repair, 1925	90.94				
5704. Maintenance, Supplies and Accounts, 1925	26.77				
Total current year appropriations	238.14				
Appropriation purchases account material and industrial overhead	92,337.01				
Grand total	92,575.15				
8963. Submarine base, Asiatic Flotilla, Cavite					
5401. Ordnance and ordnance stores, 1925					$10.54
5501. Construction and Repair, 1925	80.00				483.31
5601. Engineering, 1925			$21.81		49.47
5701. Pay, Navy, 1925		49,473.50			
5704. Maintenance, Supplies and Accounts, 1925	67.16				
Total current year appropriations	147.16	49,473.50	21.81		543.32
Appropriation purchases account material and industrial overhead	*53,256.09*	4,758.42	5.37		124.43
Grand total	*53,108.93*	54,231.92	27.18		667.75
9916. Sixteenth Naval District					
Appropriation purchases account material and industrial overhead	173.27				
Grand total	173.27				
330. Purchasing office, Shanghai					
5601. Engineering, 1925	39.66				
5704. Maintenance, Supplies and Accounts, 1925	65.00				
Total current year appropriations	104.66				
Appropriation purchases account material and industrial overhead	1.90				
Grand total	106.56				
581. Naval supply base, Constantinople					
Appropriation purchases account material and industrial overhead	*14,698.65*				
Grand total	*14,698.65*				

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
SHORE ACTIVITIES—continued					
8969. Supply office, Constantinople					
5201. Maintenance, Yards and Docks, 1925		$95.58			
5501. Construction and Repair, 1925		13.97			
5704. Maintenance, supplies, and accounts, 1925	$5.48				$4.03
Total current year appropriations	5.48	109.55			4.03
Grand total	5.48	109.55			4.03
VESSELS ASSIGNED TO NAVAL RESERVE FORCE					
8962. Briarcliff					
5,990. ——, —, —					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	234.73	536.17			
Subhead No. 5	9.99	536.17			
Subhead No. 15		71.49			
Subhead No. 17		5.96			
5401. Ordnance and ordnance stores, 1925		41.70			
Total current year appropriations	244.72	1,191.49			
All prior year appropriations				$19.00	
Appropriation purchases account material and industrial overhead	*154.23*	18.36			
Grand total	90.49	1,209.85		19.00	
3610. Cheyenne					
3225. (12)					
5101. Pay, miscellaneous, 1925		59.57			
5309. Instruments and supplies, 1925					17.46
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	712.66	1,923.85	$61.91		1.92
Subhead No. 5	1,096.08	1,677.41	16.09		211.30
Subhead No. 13		6,597.71			
Subhead No. 14		906.25			
Subhead No. 15	15.30	229.31			106.00
Subhead No. 16		6,450.72			
Subhead No. 17		108.62			
5401. Ordnance and ordnance stores, 1925		130.45			
5701. Pay of the Navy, 1925		2,077.60			
5702. Provisions, 1925		130.52			
Total current year appropriations	1,824.04	20,292.01	78.00		336.68
All prior year appropriations	4,830.90	114.70			
Appropriation purchases account material and industrial overhead	*701.39*	1,123.86	9.10		
Grand total	5,953.55	21,530.57	87.10		336.68
8967. Commodore					
——. —, — (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	28.87	407.64			
Subhead No. 5	47.24	407.64	6.60		
Subhead No. 15	81.12	54.35			43.80
Subhead No. 16		4,508.54			
Subhead No. 17		4.53			
5401. Ordnance and ordnance stores, 1925		31.69			
Total current year appropriations	157.23	5,414.39	6.60		43.80
All prior year appropriations		682.48			
Appropriation purchases account material and industrial overhead	*3,671.85*	332.39			
Grand total	*3,514.62*	6,429.26	6.60		43.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
3717. Dubuque					
1085. (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$274.16	$1,289.08	$69.00	$298.04	$520.14
Subhead No. 5	416.15	1,289.08	537.00	----------	----------
Subhead No. 13	----------	1,949.04	----------	----------	----------
Subhead No. 14	----------	3,688.74	----------	----------	----------
Subhead No. 15	9.41	171.87	----------	----------	----------
Subhead No. 16	----------	3,874.43	----------	----------	----------
Subhead No. 17	----------	89.32	----------	----------	41.00
5401. Ordnance and ordnance stores, 1925	----------	100.23	----------	----------	----------
5701. Pay of the Navy, 1925	----------	3,182.27	----------	----------	----------
5702. Provisions, 1925	----------	118.54	----------	----------	----------
Total current year appropriations	699.72	15,752.60	606.00	298.04	561.14
All prior year appropriations	----------	1,657.42	1,272.00	----------	4,868.50
Appropriation purchases account material, and industrial overhead	*1,559.26*	854.70	----------	----------	----------
Grand total	*859.54*	18,264.72	1,878.00	298.04	5,429.64
5302. Eagle No. 2					
500. Nov. 7, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925, subhead No. 5	----------	----------	----------	37.52	----------
Total current year appropriations	----------	----------	----------	37.52	----------
5306. Eagle No. 6					
500. Nov. 21, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925, subhead No. 5	----------	----------	----------	37.40	----------
5501. Construction and Repair, 1925	----------	----------	9.72	----------	----------
5601. Engineering, 1925	----------	----------	36.35	----------	----------
Total current year appropriations	----------	----------	46.07	37.40	----------
Appropriation purchases account material, and industrial overhead	----------	----------	9.29	----------	----------
Grand total	----------	----------	55.36	37.40	----------
5308. Eagle No. 8					
500. Oct. 31, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925, subhead No. 4	----------	----------	----------	21.50	----------
5501. Construction and Repair, 1925	----------	----------	865.17	----------	----------
5601. Engineering, 1925	----------	----------	68.86	----------	----------
5701. Pay of the Navy, 1925	----------	1,411.95	----------	----------	----------
5702. Provisions, 1925	----------	279.00	----------	----------	----------
Total current year appropriations	----------	1,690.95	934.03	21.50	----------
Appropriation purchases account, material, and industrial overhead	----------	----------	1,153.61	----------	----------
Grand total	----------	1,690.95	2,087.64	21.50	----------
5309. Eagle No. 9					
500. Oct. 27, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	157.72	858.24	1,641.82	435.32	216.00
Subhead No. 5	221.08	701.04	2,238.55	----------	----------
Subhead No. 13	----------	489.56	----------	----------	----------
Subhead No. 14	----------	1,124.78	----------	----------	----------
Subhead No. 15	86.60	93.47	----------	----------	----------
Subhead No. 16	----------	5,651.90	----------	----------	----------
Subhead No. 17	63.00	30.29	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5309. Eagle No. 9—Continued					
5401. Ordnance and Ordnance Stores, 1925		$54.51			
5601. Engineering, 1925			$26.60		
5701. Pay of the Navy, 1925		512.85			
5702. Provisions, 1925		194.13			
Total current year appropriations	$528.40	9,710.77	3,906.97	$435.32	$216.00
All prior year appropriations	93.42	11.55			
Appropriation purchases account material, and industrial overhead	*483.13*	1,838.37	5,644.06	77.25	24.92
Grand total	138.69	11,560.69	9,551.03	512.57	240.92
5311. Eagle No. 11					
500. May 29, 1919 (12)					
5106. Pay, miscellaneous, 1925		10.25			
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	455.82	1,877.06	765.71		29.62
Subhead No. 5	376.18	1,567.45	1,847.79	49.53	297.86
Subhead No. 13		337.93			
Subhead No. 14		1,107.38			
Subhead No. 15	82.22	208.99			
Subhead No. 16		3,448.30			
Subhead No. 17	47.90	17.40			
5401. Ordnance and Ordnance Stores, 1925		121.94			
5702. Provisions, 1925		87.86			
Total current year appropriations	962.12	8,784.56	2,613.50	49.53	327.48
All prior year appropriations	*48.91*	640.73	2,798.78	46.06	61.50
Appropriation purchases account material, and industrial overhead	12.24	8.48	4,100.12	10.62	45.47
Grand total	925.45	9,433.77	9,512.40	106.21	434.45
5312. Eagle No. 12					
500. Nov. 6, 1919 (12)					
5106. Pay, miscellaneous, 1925		1.15			
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	155.74	1,458.56	20,956.87	20.27	526.54
Subhead No. 5	1,940.92	1,116.22	11,759.94	1,519.96	1,044.73
Subhead No. 13		3,005.50			
Subhead No. 14		1,946.81			
Subhead No. 15	242.18	148.82			21.00
Subhead No. 16		9,452.74			
Subhead No. 17	179.58	18.42	*12.67*		114.15
5401. Ordnance and Ordnance Stores, 1925		86.85			443.22
5601. Engineering, 1925			11.00	46.64	
5701. Pay of the Navy, 1925		1,561.92			
5702. Provisions, 1925		124.14			
Total current year appropriations	2,518.42	18,921.13	32,715.14	1,586.87	2,149.64
All prior year appropriations	872.60	*208.91*	8,651.75	69.47	571.84
Appropriation purchases account material, and industrial overhead	*5,043.91*	8,517.74	4,452.81	236.71	244.29
Grand total	*1,652.89*	27,229.96	45,819.70	1,893.05	2,965.77
5313. Eagle No. 13					
500. Apr. 2, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925, subhead No. 5				56.63	
Total current year appropriations				56.63	
All prior year appropriations		120.69			
Grand total		120.69		56.63	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5315. Eagle No. 15					
500. June 11, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925, Subhead No. 5	----------	----------	----------	$57.36	----------
Total current year appropriations	----------	----------	----------	57.36	----------
All prior year appropriations	----------	*$4.40*	----------	----------	----------
Grand total	----------	*4.40*	----------	57.36	----------
5319. Eagle No. 19					
500. June 25, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$299.11	906.33	$3,224.21	26.54	$57.38
Subhead No. 5	396.48	731.43	911.44	396.52	29.16
Subhead No. 13	----------	1,484.48	----------	----------	----------
Subhead No. 14	----------	946.25	----------	----------	----------
Subhead No. 15	92.37	97.53	----------	----------	----------
Subhead No. 16	----------	6,859.60	----------	----------	----------
Subhead No. 17	209.71	8.14	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	56.89	----------	----------	309.41
5601. Engineering, 1925	----------	----------	19.38	----------	----------
5702. Provisions, 1925	----------	6.50	----------	----------	----------
Total current year appropriations	997.67	11,097.15	4,155.03	423.06	395.95
All prior year appropriations	39.51	10.51	562.06	----------	----------
Appropriation purchases account material and industrial overhead	*507.84*	403.43	527.22	18.66	58.40
Grand total	529.34	11,511.09	5,244.31	441.72	454.35
5326. Eagle No. 26					
500. Oct 1, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	218.70	924.25	3,291.70	21.50	3.20
Subhead No. 5	160.81	936.86	2,371.90	----------	3.37
Subhead No. 13	----------	141.42	----------	----------	----------
Subhead No. 14	----------	623.00	----------	----------	----------
Subhead No. 15	190.28	115.55	----------	----------	----------
Subhead No. 16	----------	3,543.55	----------	----------	----------
Subhead No. 17	3.15	9.65	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	69.18	----------	----------	----------
5702. Provisions, 1925	----------	2.97	----------	----------	----------
Total current year appropriations	572.94	6,366.43	5,663.60	21.50	6.57
All prior year appropriations	79.46	633.29	----------	----------	----------
Appropriation purchases account material and industrial overhead	*22.99*	127.04	747.76	----------	----------
Grand total	629.41	7,126.76	6,411.36	21.50	6.57
5327. Eagle No. 27					
500. July 14, 1919 (*12*)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	141.14	1,014.11	4,696.29	27.37	259.53
Subhead No. 5	426.17	883.29	2,641.89	939.47	226.30
Subhead No. 13	----------	154.89	----------	----------	----------
Subhead No. 14	----------	803.00	----------	----------	----------
Subhead No. 15	76.69	117.78	----------	----------	----------
Subhead No. 16	----------	6,059.60	----------	----------	----------
Subhead No. 17	----------	9.82	----------	----------	----------
5401. Ordnance ordnance stores, 1925	----------	68.72	----------	----------	----------
5702. Provisions, 1925	----------	35.62	----------	----------	----------
Total current year appropriations	644.00	9,146.83	7,338.18	966.84	485.83
All prior year appropriations	----------	381.09	----------	----------	----------
Appropriation purchases account material and industrial overhead	*1,858.16*	3,008.24	1,131.34	77.13	18.77
Grand total	*1,214.16*	12,536.16	8,469.52	1,043.97	504.60

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5332. Eagle No. 32					
500. Sept. 4, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$40.44	$1,707.43	$5,278.59	$2.31	$371.60
Subhead No. 5	320.46	1,546.90	3,682.04	349.40	335.53
Subhead No. 13		177.61			
Subhead No. 14		1,008.69			
Subhead No. 15		206.00			11.40
Subhead No. 16		2,382.96			
Subhead No. 17		17.11			8.55
5401. Ordnance and ordnance stores, 1925		120.14			339.80
5702. Provisions, 1925		37.80			
Total current year appropriations	360.90	7,204.64	8,960.63	351.71	1,066.88
All prior year appropriations	*13.46*	1,511.74			
Appropriation purchases account material and industrial overhead		10.65	2,357.94	29.64	116.87
Grand total	347.44	8,727.03	11,318.57	381.35	1,183.75
5334. Eagle No. 34					
500. Sept. 3, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	1,109.58	1,856.74	16,710.72	2.04	498.22
Subhead No. 5	1,625.89	1,646.76	4,203.04	1,397.36	399.07
Subhead No. 13		2,300.80			
Subhead No. 14		1,102.90			
Subhead No. 15	77.57	219.05			15.00
Subhead No. 16		5,588.17			
Subhead No. 17	27.78	26.27			81.30
5401. Ordnance and ordnance stores, 1925	12.00	127.78			221.55
5501. Construction and Repair, 1925				26.88	
5601. Engineering, 1925			80.86		
5701. Pay of the Navy, 1925		2,631.06			
5702. Provisions, 1925		679.65			
Total current year appropriations	2,852.82	16,179.18	20,994.62	1,426.28	1,215.14
All prior year appropriations	200.22	68.70	4,497.44	169.61	321.77
Appropriation purchases account material and industrial overhead	*4,939.22*	2,085.02	18,557.08	3,184.19	124.28
Grand total	*1,886.18*	18,332.90	44,049.14	4,780.08	1,661.19
5335. Eagle No. 35					
500. Aug. 22, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4		1,377.09	16,454.48	888.57	796.81
Subhead No. 5	244.98	1,342.35	7,113.80	1,680.38	232.07
Subhead No. 15	7.54	177.94			
Subhead No. 16		3,788.54			
Subhead No. 17	15.37	14.84			15.48
5401. Ordnance and ordnance stores, 1925		103.78			
5501. Construction and Repair, 1925			17.58		
5601. Engineering, 1925			.10	25.44	
5701. Pay of the Navy, 1925		186.07			
5702. Provisions, 1925		16.50			
Total current year appropriations	267.89	7,007.11	23,585.96	2,594.39	1,044.36
All prior year appropriations	634.43	399.37			
Appropriation purchases account material and industrial overhead	*4,650.66*	4,641.27	5,225.69	722.45	263.59
Grand total	*3,748.34*	12,047.75	28,811.65	3,316.84	1,307.95

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5336. Eagle No. 36					
500. Aug. 20, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$323.00	$1,713.04	$15,442.89	$32.40	$495.5
Subhead No. 5	475.32	1,064.84	6,641.92		420.8
Subhead No. 13		955.36			
Subhead No. 14		2,040.48			
Subhead No. 15	16.46	141.98			24.40
Subhead No. 16		12,315.78			
Subhead No. 17	63.00	358.83			
5401. Ordnance and ordnance stores, 1925		82.84			
5702. Provisions, 1925		59.60			
Total current year appropriations	877.78	18,732.75	22,084.81	32.40	940.72
All prior year appropriations	3.16	2,028.16	*156.80*		
Appropriation purchases account material and industrial overhead	*1,184.96*	1,041.61	9,842.51	13.14	291.31
Grand total	*304.02*	21,802.52	31,770.52	45.54	1,232.03
5338. Eagle No. 38					
500. July 30, 1919 (12)					
5101. Pay, miscellaneous, 1925		8.50			
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	482.23	1,241.77	2,531.84	*7.05*	109.94
Subhead No. 5	591.58	1,059.71	4,400.72		478.08
Subhead No. 13		480.93			
Subhead No. 14		1,154.15			
Subhead No. 15		139.10			
Subhead No. 16		4,017.34			
Subhead No. 17	183.68	16.60			90.41
5401. Ordnance and ordnance stores, 1925		81.16			388.12
5702. Provisions, 1925		2.50			
Total current year appropriations	1,257.49	8,201.76	6,932.56	*7.05*	1,066.55
All prior year appropriations	455.53	104.25	1,076.12	349.69	299.44
Appropriation purchases account material and industrial overhead	*2,513.96*	2,339.69	1,336.32	36.59	197.59
Grand total	*800.94*	10,645.70	9,345.00	379.23	1,563.58
5341. Eagle No. 41					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 13		61.99			
Subhead No. 14		317.70			
Total current year appropriations		379.69			
Grand total		379.69			
5342. Eagle No. 42					
500. Oct. 3, 1919 (12)					
5322. Organizing Naval Reserve Force, 1923:					
Subhead No. 4	92.25	959.48	1,853.86	28.10	
Subhead No. 5	234.86	816.58	852.84		9.97
Subhead No. 13		4,076.99			
Subhead No. 14		1,361.45			
Subhead No. 15	35.23	108.87			
Subhead No. 16		9,422.12			
Subhead No. 17	67.62	9.07			8.57
5401. Ordnance and ordnance stores, 1925		63.53			380.64
5702. Provisions, 1925		42.61			
Total current year appropriations	429.96	16,860.70	2,706.70	28.10	399.18
All prior year appropriations	34.15	434.68	1,065.93		
Appropriation purchases account material and industrial overhead	*543.09*	495.28	715.46		51.82
Grand total	*78.98*	17,790.66	4,488.09	28.10	451.00

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5344. Eagle No. 44					
500. Oct. 4, 1919					
All prior year appropriations	----------	*$4.40*	----------	----------	----------
Grand total	----------	*4.40*	----------	----------	----------
5345. Eagle No. 45					
500. Oct. 2, 1919					
Appropriation purchases account material and industrial overhead	$13,301.40	----------	----------	----------	----------
Grand total	13,301.40	----------	----------	----------	----------
5346. Eagle No. 46					
500. Oct. 3, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	225.40	876.79	$1,845.38	$27.15	$14.28
Subhead No. 5	166.90	764.09	1,029.56	177.74	37.48
Subhead No. 13	----------	1,086.56	----------	----------	----------
Subhead No. 14	----------	1,039.17	----------	----------	----------
Subhead No. 15	98.68	101.88	----------	----------	----------
Subhead No. 16	----------	5,889.51	----------	----------	----------
Subhead No. 17	81.48	8.48	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	59.45	----------	----------	327.93
5702. Provisions, 1925	----------	37.37	----------	----------	----------
Total current year appropriations	572.46	9,863.30	2,874.94	204.89	379.69
All prior year appropriations	36.61	1,825.08	657.51	----------	----------
Appropriation purchases account material and industrial overhead	*399.45*	427.38	432.21	5.19	47.94
Grand total	209.62	12,115.76	3,964.66	210.08	427.63
5347. Eagle No. 47					
500. Oct. 4, 1919 (12)					
5101. Pay, miscellaneous, 1925	----------	46.90	----------	----------	----------
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	200.02	1,822.12	14,633.06	685.43	1,001.07
Subhead No. 5	63.38	1,305.00	7,223.17	2,043.02	394.61
Subhead No. 13	----------	3,681.26	----------	----------	----------
Subhead No. 14	----------	2,949.51	----------	----------	----------
Subhead No. 15	5.86	173.99	----------	----------	----------
Subhead No. 16	----------	3,664.59	----------	----------	----------
Subhead No. 17	3.86	14.50	----------	----------	21.37
5401. Ordnance and ordnance stores, 1925	----------	101.49	----------	----------	----------
5701. Pay of the Navy, 1925	----------	384.29	----------	----------	----------
5702. Provisions, 1925	----------	55.80	----------	----------	----------
Total current year appropriations	273.12	14,199.45	21,856.23	2,728.45	1,417.05
All prior year appropriations	769.96	498.56	259.59	----------	----------
Appropriation purchases account material and industrial overhead	*2,432.33*	2,426.29	5,591.62	763.80	316.36
Grand total	*1,389.25*	17,124.30	27,707.44	3,492.25	1,733.41

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5348. Eagle No. 48					
500. Oct. 8, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$254.92	$1,998.33	$5,641.75		$150.64
Subhead No. 5	365.94	1,524.38	2,160.49	$207.37	201.14
Subhead No. 13		128.85			
Subhead No. 14		925.89			
Subhead No. 15	27.69	203.23			
Subhead No. 16		6,736.55			
Subhead No. 17		16.93			
5401. Ordnance or ordnance stores, 1925		118.56			
5702. Provisions, 1925		29.71			
Total current year appropriations	648.55	11,682.43	7,802.24	207.37	351.78
All prior year appropriations		140.75			
Appropriation purchases account material and industrial overhead	*2,000.34*	1,956.98	1,055.93	39.42	40.56
Grand total	*1,351.79*	13,780.16	8,858.17	246.79	392.34
5349. Eagle No. 49					
500. Oct. 26, 1919					
5322. Organizing Naval Reserve Force, 1925, subhead No. 5			370.18		
Total current year appropriations			370.18		
Appropriation purchases account material and industrial overhead			78.97		
Grand total			449.15		
5351. Eagle No. 51					
500. Oct. 2, 1919 (12)					
5309. Instruments and supplies, 1925					16.60
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	434.38	803.11	1,101.65	21.50	74.09
Subhead No. 5	428.30	663.35	1,356.00		5.87
Subhead No. 13		152.72			
Subhead No. 14		284.95			
Subhead No. 15	176.83	88.47			
Subhead No. 16		3,945.01			
Subhead No. 17	32.96	7.36			
5401. Ordnance and ordnance stores, 1925		51.57			
5702. Provisions, 1925		1.04			
Total current year appropriations	1,072.47	5,997.58	2,457.65	21.50	96.76
All prior year appropriations	95.95	622.59			
Appropriation purchases account material and industrial overhead	*1,164.69*	649.73	328.48	548.00	47.57
Grand total	3.73	7,269.90	2,786.13	569.50	144.33
5352. Eagle No. 52					
500. Oct. 10, 1919 (12)					
5322. Organizng Naval Reserve Force, 1925:					
Subhead No. 4	104.23	826.23	321.86	630.18	
Subhead No. 5	424.63	576.37	1,841.67	3.16	
Subhead No. 15		75.95			
Subhead No. 16		901.49			
Subhead No. 17	17.00	6.34			
5401. Ordnance and ordnance stores, 1925		44.33			
5601. Engineering, 1925			1.38	18.80	
Total current year appropriations	545.86	2,430.71	2,164.91	652.14	
All prior year appropriations	75.00	17.39			
Appropriation purchases account material and industrial overhead	*594.94*	650.61	422.22	96.50	
Grand total	25.92	3,098.71	2,587.13	748.64	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5354. Eagle No. 54					
500. Oct. 10, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$212.53	$1,275.06	$464.65	$21.50	$63.88
Subhead No. 5	648.14	1,052.13	1,073.23		273.53
Subhead No. 13		123.92			
Subhead No. 14		768.17			
Subhead No. 15	13.11	140.28			
Subhead No. 16		4,537.57			
Subhead No. 17	188.50	11.68			
5401. Ordnance and ordnance stores, 1925		81.82			179.70
5702. Provisions, 1925		7.67			
Total current year appropriations	1,062.28	7,998.30	1,537.88	21.50	517.11
All prior year appropriations	28.00	1.87			
Appropriation purchases account material and industrial overhead	*831.73*	1,608.66	231.75		56.76
Grand total	258.55	9,608.83	1,769.63	21.50	573.87
5355. Eagle No. 55					
500. Oct. 10, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	132.71	1,565.14	5,222.08	21.50	151.18
Subhead No. 5	659.14	1,274.93	682.66		
Subhead No. 13		145.95			
Subhead No. 14		885.25			
Subhead No. 15		169.97			
Subhead No. 16		3,803.68			
Subhead No. 17	213.50	14.16			
5401. Ordnance and ordnance stores, 1925		99.16			
5501. Construction and Repair, 1925			*8.94*		
5702. Provisions, 1925		21.22			
Total current year appropriations	1,005.35	7,979.46	5,895.80	21.50	151.18
All prior year appropriations	119.70	144.40			
Appropriation purchases account material and industrial overhead	*1,197.70*	1,794.49	767.58		13.87
Grand total	*72.65*	9,918.35	6,663.38	21.50	165.05
5356. Eagle No. 56					
500. Oct. 26, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3					21.00
Subhead No. 4	220.18	1,302.92	2,504.73	113.13	30.60
Subhead Bo. 5	435.68	1,224.16	2,608.84	1,706.82	
Subhead No. 13		171.30			
Subhead No. 14		616.67			
Subhead No. 15	29.89	160.44			
Subhead No. 16		3,761.84			
Subhead No. 17	39.22	13.37			
5401. Ordnance and ordnance stores, 1925		93.56			
5601. Engineering, 1925				3.12	
5702. Provisions, 1925		73.34			
Total current year appropriations	724.97	7,417.60	5,113.57	1,823.07	51.60
All prior year appropriations		1,136.73	292.06		
Appropriation purchases account, material and industrial overhead	*714.28*	1,175.07	9,646.73	364.88	10.20
Grand total	10.69	9,729.40	15,052.36	2,187.95	61.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5357. Eagle No. 57					
500. Oct. 15, 1919 (12)					
5309. Instruments and supplies, 1925					$10.00
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$705.29	$2,006.62	$9,532.37		583.34
Subhead No. 5	483.11	1,637.70	5,899.25	$49.53	816.27
Subhead No. 13		248.44			
Subhead No. 14		1,301.86			
Subhead No. 15	8.52	216.20			
Subhead No. 16		5,274.11			
Subhead No. 17		23.03			79.67
5401. Ordnance and ordnance stores, 1925		126.13			382.02
5701. Pay, Navy, 1925		439.53			
5702. Provisions, 1925		86.54			
Total current year appropriations	1,196.92	11,360.16	15,431.62	49.53	1,871.30
All prior year appropriations		1,945.81			
Appropriation purchases account material and industrial overhead	*1,094.14*	1,109.40	2,639.32		277.26
Grand total	102.78	14,415.37	18,070.94	49.53	2,148.56
5358. Eagle No. 58					
500. Oct. 20, 1919 (12)					
5101. Pay, miscellaneous, 1925		4.25			
5309. Instruments and supplies, 1925					11.76
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	605.31	1,341.67	83.17		
Subhead No. 5	1,462.22	1,178.16			
Subhead No. 13		164.23			
Subhead No. 14		470.35			
Subhead No. 15	277.72	157.08			
Subhead No. 16		4,542.00			
Subhead No. 17	43.05	13.09			17.03
5401. Ordnance and ordnance stores, 1925		91.65			
5501. Construction and Repair, 1925			1,353.43		
5601. Engineering, 1925			670.35		
5701. Pay, Navy, 1925		5,723.94			
5702. Provisions, Navy, 1925		976.81			
5704. Maintenance, Supplies and Accounts, 1925					31.96
Total current year appropriations	2,388.30	14,663.23	2,106.95		60.75
All prior year appropriations	21.52	2,539.75			
Appropriation purchases accounts material and industrial overhead	*11,726.78*	11,891.04	6,855.74		19.41
Grand total	*9,316.96*	29,094.02	8,962.69		80.16
8906. Essex					
1375. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	43.15	663.90	156.00		
Subhead No. 5	2.00	663.90			10.00
Subhead No. 15		88.51			32.10
Subhead No. 17		7.38			
5401. Ordnance and ordnance stores, 1925		51.62			
Total current year appropriations	45.15	1,475.31	156.00		42.10
All prior year appropriations	160.00	124.51		3,460.00	
Appropriation purchases account material and industrial overhead	*4,333.06*	1,209.38			
Grand total	*4,127.91*	2,809.20	156.00	3,460.00	42.10

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
4234. Fox					
1308. May 17, 1920 (12)					
5309. Instruments and Supplies, 1925	----------	----------	----------	----------	$7.66
5322. Organizing Naval Reserve Force, 1925:					
Subhcad No. 4	$1,486.18	$2,381.26	$9,919.33	$2.39	516.98
Subhead No. 5	3,436.02	2,054.69	2,307.10	----------	3,494.63
Subhead No. 13	----------	6,460.51	----------	----------	----------
Subhead No. 14	----------	3,093.20	----------	----------	----------
Subhcad No. 15	84.37	277.57	----------	----------	----------
Subhead Nol 16	----------	14,061.83	----------	----------	----------
Subhead No. 17	384.73	22.82	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	164.83	1.47	----------	----------
5701. Pay of the Navy, 1925	----------	2,108.01	----------	----------	----------
5702. Provisions, 1925	----------	651.38	----------	----------	----------
5704. Maintenance, Supplies and Accounts, 1925	----------	----------	----------	----------	31.14
Total current year appropriations	5,391.30	31,276.10	12,227.90	2.39	4,050.41
All prior year appropriations	.35	151.55	----------	*18.82*	----------
Appropriation purchases account material and industrial overhead	*2,878.99*	5,657.38	1,465.49	----------	58.21
Grand total	2,512.66	37,085.03	13,693.39	*16.43*	4,108.62
8606. Hawk					
375. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhcad No. 4	----------	354.35	----------	----------	29.45
Subhead No. 5	59.62	354.35	----------	----------	----------
Subhead, No. 15	----------	47.25	----------	----------	----------
Subhead No. 16	----------	97.36	----------	----------	----------
Subhead No. 17	----------	3.94	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	27.55	----------	----------	----------
5701. Pay of the Navy, 1925	----------	661.08	----------	----------	----------
5702. Provisions, 1925	----------	88.80	----------	----------	----------
Total current year appropriations	59.62	1,634.68	----------	----------	29.45
All prior year appropriations	648.50	21.82	----------	----------	----------
Appropriation purchases account material and industrial overhead	*2,830.30*	408.41	----------	----------	----------
Grand total	*2,122.18*	2,064.91	----------	----------	29.45
4107. Hazelwood					
1284. Feb. 20, 1919 (3)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	22,407.50	1,047.42	49,995.60	2,838.45	985.08
Subhead No. 5	12,017.27	1,030.48	15,945.04	7,183.19	1,222.53
Subhead No. 15	889.89	137.39	----------	----------	----------
Subhead No. 16	----------	2,004.08	----------	----------	----------
Subhead No. 17	2,265.50	11.45	----------	----------	80.26
5401. Ordnance and ordnance stores, 1925	----------	80.15	----------	----------	937.86
5501. Construction and Repair, 1925	----------	----------	583.42	190.24	----------
5601. Engineering, 1925	----------	----------	416.40	94.16	----------
5701. Pay of the Navy, 1925	----------	7,166.66	----------	----------	----------
5702. Provisions, 1925	----------	610.03	----------	----------	----------
Total current year appropriations	37,580.16	12,087.66	66,940.46	10,306.04	3,225.73
All prior year appropriations	----------	----------	----------	----------	12.00
Appropriation purchases account material and industrial overhead	86,602.27	345.53	20,732.62	2,355.58	833.32
Grand total	124,182.43	12,433.19	87,673.08	12,661.62	4,071.05

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
3007. Illinois					
11552. Sept. 16, 1901 ——					
5322. Organizing Naval Reserve Force:					
Subhead No. 4	$160.30	$3,272.75	$1,295.98	$749.41	$394.18
Subhead No. 5	1,071.83	3,272.75	17.03	5,728.44	----------
Subhead No. 15	241.04	436.35	----------	----------	----------
Subhead No. 16	----------	2,894.55	----------	----------	----------
Subhead No. 17	----------	164.50	----------	----------	----------
5401. Ordnance and ordnance stores	20.00	254.53	----------	----------	----------
Total current year appropriations	1,493.17	10,295.43	1,313.01	6,477.85	394.18
All prior year appropriations	83.50	931.99	11,556.53	168,846.11	----------
Appropriation purchases account material and industrial overhead	15,202.48	1,911.17	1,712.85	10,332.50	----------
Grand total	16,779.15	13,138.59	14,582.39	185,656.46	394.18
8916. Newton					
5990. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	5.64	814.58	40.00	----------	288.51
Subhead No. 5	1,134.00	814.58	----------	----------	----------
Subhead No. 15	44.63	108.61	----------	----------	----------
Subhead No. 16	----------	2,773.76	----------	----------	----------
Subhead No. 17	----------	9.07	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	63.33	----------	----------	----------
Total current year appropriations	1,184.27	4,583.93	40.00	----------	288.51
All prior year appropriations	----------	646.07	*244.40*	----------	----------
Appropriation purchases account material and industrial overhead	*2,179.44*	1,150.76	----------	----------	36.88
Grand total	*995.17*	6,380.76	*204.40*	----------	325.39
3718. Paducah					
1085. Sept. 2, 1905 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	168.42	1,658.77	640.20	----------	498.50
Subhead No. 5	222.65	995.32	1,925.75	88.25	17.50
Subhead No. 13	----------	1,356.65	----------	----------	----------
Subhead No. 14	----------	3,472.82	----------	----------	----------
Subhead No. 15	44.95	132.71	----------	----------	31.00
Subhead No. 16	----------	3,221.53	----------	----------	----------
Subhead No. 17	300.00	145.48	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	77.39	----------	----------	----------
5701. Pay of the Navy, 1925	----------	1,480.45	----------	----------	----------
5702. Provisions, 1925	----------	160.50	----------	----------	----------
Total current year appropriations	736.02	12,701.62	2,565.95	88.25	547.00
All prior year appropriations	3.97	1,207.45	24.00	----------	88.00
Appropriation purchases account material and industrial overhead	*666.67*	709.81	----------	----------	----------
Grand total	73.32	14,618.88	2,589.95	88.25	635.00
8900. Sturgeon Bay					
——. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	259.26	961.34	263.00	----------	----------
Subhead No. 5	96.82	899.02	509.00	----------	32.00
Subhead No. 13	----------	53.79	----------	----------	----------
Subhead No. 14	----------	1,694.28	----------	----------	----------
Subhead No. 15	----------	119.84	----------	----------	46.00
Subhead No. 16	----------	2,303.50	----------	----------	----------
Subhead No. 17	300.00	253.61	----------	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
8900. Sturgeon Bay—Continued					
5401. Ordnance and ordnance stores, 1925	----------	$69.91	----------	----------	----------
5702. Provisions, 1925	----------	640.28	----------	----------	----------
Total current year appropriations	$656.08	6,995.57	$772.00	----------	$78.00
All prior year appropriations	----------	*484.52*	45.00	$225.40	----------
Appropriation purchases account material and industrial overhead	*415.55*	143.43	----------	----------	----------
Grand total	240.53	6,654.48	817.00	225.40	78.00
5563. Submarine chaser, No. 63					
77. May 16, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	278.17	764.01	1,130.22	----------	276.00
Subhead No. 5	23.16	442.61	1,688.79	----------	25.50
Subhead No. 15	----------	59.02	----------	----------	----------
Subhead No. 16	----------	820.05	----------	----------	----------
Subhead No. 17	----------	649.93	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	34.40	----------	----------	----------
5701. Pay of the Navy, 1925	----------	1,219.72	----------	----------	----------
5702. Provisions, 1925	----------	209.60	----------	----------	----------
Total current year appropriations	301.33	4,199.34	2,819.01	----------	301.50
All prior year appropriations	107.13	1,218.56	1,915.30	----------	17.50
Appropriation purchases account material and industrial overhead	*425.41*	25.63	42.00	281.78	----------
Grand total	*16.95*	5,443.53	4,776.31	281.78	319.00
5564. Submarine chaser No 64					
77. May 16, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	4.00	687.79	110.92	----------	119.18
Subhead No. 5	185.60	363.79	218.00	----------	----------
Subhead No. 15	60.20	48.51	----------	----------	25.25
Subhead No. 16	----------	349.10	----------	----------	----------
Subhead No. 17	----------	4.02	----------	----------	----------
5401. Ordnance and Ordnance Stores, 1925	----------	28.28	----------	----------	----------
5701. Pay of the Navy, 1925	----------	2,269.22	----------	----------	----------
5702. Provisions, 1925	----------	312.20	----------	----------	----------
Total current year appropriations	249.80	4,062.91	328.92	----------	144.43
All prior year appropriations	----------	437.76	181.94	----------	6.00
Appropriation purchases account material and industrial overhead	*431.31*	431.31	----------	----------	----------
Grand total	*181.51*	4,931.98	510.86	----------	150.43
5603. Submarine chaser No. 103					
77. Mar. 7, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	70.00	511.84	1,658.59	----------	34.17
Subhead No. 5	208.90	189.17	2,420.20	----------	----------
Subhead No. 15	----------	25.22	----------	----------	----------
Subhead No. 16	----------	846.79	----------	----------	----------
Subhead No. 17	61.00	2.10	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	14.70	----------	----------	----------
Total current year appropriations	339.90	1,589.82	4,078.79	----------	34.17
All prior year appropriations	7.95	28.30	----------	----------	----------
Appropriation purchases account material and industrial overhead	*155.47*	53.94	1,395.70	----------	2.61
Grand total	192.38	1,672.06	5,474.49	----------	36.78

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5643. Submarine chaser No. 143					
77. Nov. 10, 1917 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$157.81	$888.71	$234.48		
Subhead No. 5	82.46	696.71	341.10		$86.50
Subhead No. 15		92.89			
Subhead No. 16		1,065.22			
Subhead No. 17	92.80	7.75			
5401. Ordnance and ordnance stores, 1925		54.18			
Total current year appropriations	333.07	2,805.46	575.58		86.50
All prior year appropriations	3.70	82.57	139.56		
Appropriation purchases account material and industrial overhead	403.66	*172.35*	150.29		11.07
Grand total	740.43	2,715.68	865.43		97.57
5654. Submarine chaser No. 154					
77. Feb. 15, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	28.62	316.96			492.24
Subhead No. 5		276.62			
Subhead No. 15		36.88			
Subhead No. 16		859.34			
Subhead No. 17	35.50	168.07			
5401. Ordnance and ordnance stores, 1925		25.52			
5501. Construction and Repair, 1925	440.21	252.62	222.04		
5601. Engineering, 1925	78.68	648.86	436.69		
5701. Pay of the Navy, 1925		1,699.07			
5702. Provisions, 1925		1,208.31			
5704. Maintenance, Supplies and Accounts, 1925		63.30			
5708. Fuel and transportation, 1925		765.58			
Total current year appropriations	583.01	6,321.13	658.73		492.24
All prior year appropriations		719.78			
Appropriation purchases account material and industrial overhead	*372.01*	1,817.01	25.00		
Grand total	211.00	8,857.92	683.73		492.24
5686. Submarine chaser No. 186					
77. Apr. 27, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	117.15	910.40	407.30		73.34
Subhead No. 5	523.54	329.94	67.72		594.31
Subhead No. 15		43.98			
Subhead No. 16		1,280.99			
Subhead No. 17		3.66			
5401. Ordnance and ordnance stores, 1925		25.65			
Total current year appropriations	640.69	2,594.62	475.02		667.66
All prior year appropriations	30.64	*11.08*			
Appropriation purchases account material and industrial overhead	*19.08*	20.56	10.30		12.91
Grand total	652.25	2,604.10	485.32		680.56

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSSIGNED TO NAVAL RESERVE FORCE—continued					
5710. Submarine chaser No. 210					
77. Mar. 18, 1918					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$71.23	$1,143.16	$3,371.26		$291.95
Subhead No. 5	823.68	508.06	1,385.37	$108.26	
Subhead No. 13		193.03			
Subhead No. 14		497.48			
Subhead No. 15	25.97	67.74			
Subhead No. 16		2,152.33			
Subhead No. 17	5.70	5.62			
5401. Ordnance and ordnance stores, 1925		39.49			
5701. Pay of the Navy, 1925		1,083.60			
5702. Provisions, 1925		249.49			
Total current year appropriations	926.58	5,940.00	4,756.63	108.26	291.95
All prior year appropriations		172.55			
Appropriation purchases account material and industrial overhead	*417.29*	384.89	1,350.49	19.83	42.09
Grand total	509.29	6,497.44	6,107.12	128.09	334.04
5724. Submarine chaser No. 224					
77. Oct. 27, 1917 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4		365.20	57.35		
Subhead No. 5	95.00	223.20	20.30		
Subhead No. 15		29.76			
Subhead No. 16		973.53			
Subhead No. 17	30.50	2.47			
5401. Ordnance and ordnance stores, 1925		17.37			
Total current year appropriations	125.50	1,611.53	77.65		
All prior year appropriations	30.00	159.09			
Appropriation purchase account material and industrial overhead	*679.78*	245.78	2.29		
Grand total	524.28	2,016.40	79.94		
5752. Submarine chaser No. 252					
77. Mar. 7, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	103.65	781.33	631.32		86.19
Subhead No. 5	31.69	551.01	3,051.22		
Subhead No. 15		73.47			
Subhead No. 16		1,639.95			
Subhead No. 17	39.25	6.12			
5401. Ordnance and ordnance stores, 1925		42.87			
5601. Engineering, 1925			7.16		
Total current year appropriations	174.59	3,094.75	3,689.70		86.19
All prior year appropriations		240.81			
Appropriation purchases account material and industrial overhead	*27.39*	28.13	1,143.98		8.61
Grand total	147.20	3,363.69	4,833.68		94.80

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5771. Submarine chaser No. 271					
77. Apr. 1, 1918 (12)					
5322. Organizing Naval Reserve Force, 1922:					
Subhead No. 4	$58.34	$532.20	$1,228.22		
Subhead No. 5	194.52	320.69	2,084.11		$32.20
Subhead No. 15		42.76			
Subhead No. 16		1,436.01			
Subhead No. 17	30.50	3.56			
5401. Ordnance and ordnance stores, 1925		24.93			
Total current year appropriations	283.36	2,360.15	3,312.33		32.20
All prior year appropriations	*12.32*	573.82			
Appropriation purchases account material and industrial overhead	*704.67*	657.20	1,027.30		
Grand total	*433.63*	3,591.17	4,339.63		32.20
5830. Submarine chaser No. 330					
77. Feb. 8, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	312.04	395.63	1,502.98		98.50
Subhead No. 5	80.61	289.35	467.87		36.50
Subhead No. 15		38.58			
Subhead No. 16		839.10			
Subhead No. 17	3.33	718.21			
5401. Ordnance and ordnance stores, 1925		22.51			
5701. Pay of the Navy, 1925		434.70			
5702. Provisions, 1925		73.60			
Total current year appropriations	395.98	2,811.68	1,970.85		135.00
All prior year appropriations	10.23	1,000.79	962.00		33.45
Appropriation purchases account material and industrial overhead	*347.07*	172.22	13.28	$208.57	
Grand total	59.14	3,984.69	2,946.13	208.57	168.45
5912. Submarine Chaser No. 412					
77. May 3, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	184.97	909.20	1,813.35		262.50
Subhead No. 5	287.44	440.19			
Subhead No. 15		58.69			
Subhead No. 16		3,751.06			
Subhead No. 17		4.88			
5401. Ordnance and ordnance sotres, 1925		34.23			
5701. Pay of the Navy, 1925		692.08			
5702. Provisions, 1925		180.80			
Total current year appropriations	472.41	6,071.13	1,813.35		262.50
All prior year appropriations	64.15	2,236.33	259.10		
Appropriation purchases account material and industrial overhead	*621,68*	100.85	734.31		
Grand total	*85.12*	8,408.31	2,806.76		262.50
5919. Submarine chaser No. 419					
77. Nov. 22, 1918 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	237.06	1,272.83	983.59		131.00
Subhead No. 5	33.42	204.80			
Subhead No. 15		27.29			
Subhead No. 16		5,463.52			
Subhead No. 17		2.28			
5401. Ordnance and ordnance stores, 1925		15.95			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5919. Submarine chaser No. 419—Contd.					
5701. Pay of the Navy, 1925	----------	$1,082.84	----------	----------	----------
5702. Provisions, 1925	----------	176.80	----------	----------	----------
Total current year appropriations	$270.48	8,246.31	$983.59	----------	$131.00
All prior year appropriations	----------	2,421.47	623.90	----------	----------
Appropriation purchases account material and industrial overhead	*499 51*	499.51	----------	----------	----------
Grand total	*229.03*	11,167.29	1,607.49	----------	131.00
5931. Submarine chaser No. 431					
77. Sept. 1, 1921 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	89.40	219.78	----------	----------	----------
Subhead No. 5	78.50	215.78	----------	----------	----------
Subhead No. 13	----------	.06	----------	----------	----------
Subhead No. 14	----------	.42	----------	----------	----------
Subhead No. 15	----------	28.78	----------	----------	----------
Subhead No. 16	----------	787.47	----------	----------	----------
Subhead No. 17	----------	2.39	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	16.79	----------	----------	----------
Total current year appropriations	167.90	1,270.51	----------	----------	----------
All prior year appropriations	----------	905.25	----------	----------	----------
Appropriation purchases account material and industrial overhead	*67.51*	75.25	----------	----------	----------
Grand total	100.39	2,251.01	----------	----------	----------
5932. Submarine chaser No. 432					
77. Apr. 1, 1919 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	363.00	756.22	1,720.20	----------	86.84
Subhead No. 5	43.99	312.84	181.00	----------	25.00
Subhead No. 15	----------	41.72	----------	----------	----------
Subhead No. 16	----------	3,720.77	----------	----------	----------
Subhead No. 17	----------	3.47	----------	----------	----------
5401. Ordnance and ordnance sotres, 1925	----------	24.33	----------	----------	----------
5701. Pay of the Navy, 1925	----------	767.76	----------	----------	----------
5702. Provisions, 1925	----------	154.40	----------	----------	----------
Total current year appropriations	406.99	5,781.51	1,901.20	----------	111.84
All prior year appropriations	151.26	3,160.33	1,511.00	----------	43.70
Appropriation purchases account material and industrial overhead	*390.92*	107.92	----------	----------	283.00
Grand total	167.33	9,049.76	3,412.20	----------	438.54
5933. Submarine chaser No. 433					
77. Sept. 1, 1921 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	409.64	200.52	----------	----------	----------
Subhead No. 5	13.12	140.52	176.75	----------	----------
Subhead No. 15	----------	18.75	----------	----------	----------
Subhead No. 16	----------	1,023.80	----------	----------	----------
Subhead No. 17	----------	1.55	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	10.93	----------	----------	----------
Total current year appropriations	422.76	1,396.07	176.75	----------	----------
All prior year appropriations	----------	620.09	----------	----------	----------
Appropriation purchases account material and industrial overhead	----------	----------	4.01	----------	----------
Grand total	422.76	2,016.16	180.76	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
5937. Submarine chaser, No. 437					
77. Sept. 1, 1921 (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$24.72	$320.91	$1,402.81	----------	----------
Subhead No. 5	70.40	193.91	----------	----------	----------
Subhead No. 15	----------	25.85	----------	----------	----------
Subhead No. 16	----------	1,027.00	----------	----------	----------
Subhead No. 17	138.00	2.15	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	15.08	----------	----------	----------
Total current year appropriations	233.12	1,584.90	1,402.81	----------	----------
All prior year appropriations	*67.50*	89.98	47.75	----------	----------
Appropriation purchases account, material and industrial overhead	*101.57*	89.57	----------	----------	----------
Grand total	64.05	1,764.45	1,450.56	----------	----------
8918. Topeka					
2225. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	1,423.81	2,708.67	1,994.69	$177.49	$16.70
Subhead No. 5	1,938.28	2,564.44	6,452.00	6,066.53	320.60
Subhead No. 13	----------	247.42	----------	----------	----------
Subhead No. 14	----------	4,365.62	----------	----------	----------
Subhead No. 16	----------	4,688.52	----------	----------	----------
Subhead No. 17	648.88	189.51	----------	----------	14.97
5401. Ordnance and ordnance stores, 1925	----------	197.67	25.75	----------	155.72
5501. Construction and Repair, 1925	----------	----------	108.72	212.46	----------
5601. Engineering, 1925	----------	----------	1.38	28.80	----------
5702. Provisions, 1925	----------	12.96	----------	----------	----------
Total current year appropriations	4,010.97	14,974.81	8,582.54	6,485.28	507.99
All prior year appropriations	1,963.33	871.00	2,839.56	193.85	22.68
Appropriation purchases account, material and industrial overhead	79.14	1,027.90	2,162.00	1,350.89	105.72
Grand total	6,053.44	16,873.71	13,584.10	8,030.02	636.39
3714. Wheeling					
990. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	142.46	1,788.49	2,346.85	----------	12.38
Subhead No. 5	1,515.56	1,603.49	3,975.82	----------	77.58
Subhead No. 13	----------	245.64	----------	----------	----------
Subhead No. 14	----------	1,450.25	----------	----------	----------
Subhead No. 15	287.52	218.01	----------	----------	----------
Subhead No. 16	----------	1,413.54	----------	----------	----------
Subhead No. 17	30.50	17.80	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	124.73	----------	----------	187.11
5702. Provisions, 1925	----------	49.71	----------	----------	----------
Total current year appropriations	1,976.04	6,911.66	6,322.67	----------	277.07
All prior year appropriations	4,994.83	427.19	----------	----------	----------
Appropriation purchases account, material and industrial overhead	410.25	135.60	817.34	----------	29.87
Grand total	7,381.12	7,474.45	7,140.01	----------	306.94

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
3761. Wilmette					
2600. —— (12)					
5101. Pay, miscellaneous, 1925		$92.24			
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	$738.97	3,243.63	$445.17	$1,920.20	$407.25
Subhead No. 5	719.49	2,600.72	3,420.34	284.63	209.00
Subhead No. 8		101.94			
Subhead No. 13		567.62			
Subhead No. 14		8,355.20			
Subhead No. 15	154.59	346.75			121.86
Subhead No. 16		10,981.40			
Subhead No. 17	110.00	213.91			17.00
5401. Ordnance and ordnance stores, 1925		202.29			
5701. Pay of the Navy, 1925		1,077.30			
5702. Provisions, 1925		158.10			
Total current year appropriations	1,723.05	27,941.10	3,865.51	2,204.83	755.11
All prior year appropriations	1,195.84	6,785.17	784.80		
Appropriation purchases account, material and industrial overhead	*1,879.65*	1,660.85		225.00	
Grand total	1,039.24	36,387.12	4,650.31	2,429.83	755.11
3708. Wilmington					
1392. —— (12)					
5309. Instruments and supplies, 1925					36.72
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	1,008.81	1,841.21	2,661.02	335.00	56.36
Subhead No. 5	571.26	1,472.32	4,463.28		928.93
Subhead No. 13		1,313.93			
Subhead No. 14		3,839.28			
Subhead No. 15	153.16	196.31			
Subhead No. 16		6,773.32			
Subhead No. 17		67.81			
5401. Ordnance and ordnance stores, 1925		114.55			
5701. Pay of the Navy, 1925		393.75			
5702. Provisions, 1925		91.50			
Total current year appropriations	1,733.23	16,103.98	7,124.30	335.00	1,022.01
All prior year appropriations	299.87	2,808.27	110.27		12.00
Appropriation purchases account, material and industrial overhead	*8,078.12*	1,669.31			
Grand total	*6,045.02*	20,581.56	7,234.57	335.00	1,034.01
8919. Wolverine					
685. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 3		27.00			
Subhead No. 4	4.32	373.82			
Subhead No. 5	810.12	373.82			
Subhead No. 15		49.84			
Subhead No. 16		746.62			
Subhead No. 17		4.15			
5401. Ordnance and ordnance stores, 1925		29.08			
Total current year appropriations	814.44	1,604.33			
All prior year appropriations		68.15	100.00		
Appropriation purchases account, material and industrial overhead	*7.69*				
Grand total	806.75	1,672.48	100.00		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS IN COMMISSION—Continued

Vessel, tonnage, date commissioned, months in commission, appropriation	Title B	Title C	Title D	Title K	Title P
VESSELS ASSIGNED TO NAVAL RESERVE FORCE—continued					
8920. Yantic					
900. —— (12)					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 4	----------	$196.38	----------	----------	----------
Subhead No. 5	$63.20	196.38	----------	----------	----------
Subhead No. 15	----------	26.19	----------	----------	----------
Subhead No. 16	----------	2,055.30	----------	----------	----------
Subhead No. 17	----------	122.18	----------	----------	----------
5401. Ordnance and ordnance stores, 1925	----------	15.29	----------	----------	----------
5701. Pay of the Navy, 1925	----------	472.50	----------	----------	----------
5702. Provisions, 1925	----------	92.00	----------	----------	----------
Total current year appropriations	63.20	3,176.22	----------	----------	----------
All prior year appropriations	*33.00*	*12.62*	$591.00	----------	$50.00
Appropriation purchases account, material and industrial overhead	*34,345.95*	146.54	----------	$10.88	----------
Grand total	*34,315.75*	3,310.14	591.00	10.88	50.00

RECAPITULATION, BY CLASSES OF VESSELS

VESSELS OUT OF COMMISSION

	Title B	Title C	Title D	Title K	Title P
Cruisers, second line:					
Current year appropriations	----------	$115.00	$8,076.50	----------	----------
Previously charged to appropriations	----------	----------	1,112.79	----------	----------
Total	----------	115.00	9,189.29	----------	----------
Light cruisers, second line:					
Current year appropriations	----------	----------	10,760.33	$0.66	$23.61
Previously charged to appropriations	----------	----------	3,007.12	----------	----------
Total	----------	----------	13,767.45	.66	23.61
Mine layers, second line:					
Current year appropriations	----------	----------	3,571.33	----------	----------
Previously charged to appropriations	----------	----------	4,915.84	----------	----------
Total	----------	----------	8,487.17	----------	----------
Destroyers, first line:					
Current year appropriations	$720.40	2,288.78	106,196.24	2,567.77	1,475.61
Prior year appropriations	*5.30*	----------	----------	147.00	10.00
Previously charged to appropriations	----------	----------	42,528.75	1,696.76	1,026.36
Total	715.10	2,288.78	148,724.99	4,411.53	2,511.97
Destroyers, second line:					
Current year appropriations	----------	----------	880.74	----------	----------
Previously charged to appropriations	*4,132.96*	11.19	327.79	----------	----------
Total	*4,132.96*	11.19	1,208.53	----------	----------
Light mine layers:					
Current year appropriations	----------	----------	11,626.71	81.14	129.28
Prior year appropriations	----------	----------	----------	----------	24.00
Previously charged to appropriations	----------	----------	46,22.00	21.81	46.44
Total	----------	----------	16,248.71	102.95	199.72
Submarine, first line:					
Previously charged to appropriations	2,109.23	----------	----------	----------	39.50
Total	2,109.23	----------	----------	----------	39.50

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION, BY CLASSES OF VESSELS—Continued

VESSELS OUT OF COMMISSION—continued

	Title B	Title C	Title D	Title K	Title P
Submarines, second line:					
Current year appropriations		$40.33	$41,504.56	$12,544.61	$325.65
Prior year appropriations		3,666.08			
Previously charged to appropriations	*$69,735.79*	603.97	14,918.87		75.59
Total	*69,735.79*	4,310.38	56,423.43	12,544.61	401.24
Fleet submarines, first line:					
Current year appropriations			23,457.25	29,581.72	729.79
Prior year appropriations		136.80	28,433.25	280,033.26	
Previously charged to appropriations	*1,010.57*		15,821.14	34,317.92	69.38
Total	*1,010.57*	136.80	67,711.64	343,932.90	799.17
Patrol vessels, eagles:					
Current year appropriations		.05	11,367.74		14.88
Prior year appropriations					44.00
Previously charged to appropriations		48.00	379.13		
Total		48.05	11,746.87		58.88
Patrol vessels, submarine chasers:					
Current year appropriations		62.81	6,377.65		
Previously charged to appropriations			169.66		
Total		62.81	65,47.31		
Patrol vessels, converted yachts:					
Current year appropriations		1,000.00	1,589.08		
Prior year appropriations		56.90			
Previously charged to appropriations			202.08		
Total		1,056.90	1,791.16		
Auxiliaries, storeships:					
Current year appropriations		100.23	6,682.29		95.18
Previously charged to appropriations		2.62	539.35		14.01
Total		102.85	7,221.64		109.19
Auxiliaries, colliers:					
Current year appropriations			30,551.61	*12.80*	10.92
Previously charged to appropriations			4,593.07		.67
Total			35,144.68	*12.80*	11.59
Auxiliaries, oilers:					
Current year appropriations			12,053.94	*320.92*	127.54
Previously charged to appropriations			1,920.82	1.30	17.85
Total			13,974.76	*319.62*	145.39
Auxiliaries, cargo ships:					
Current year appropriations			11,846.77	1,069.44	
Previously charged to appropriations			6,264.28	147.67	42.46
Total			18,111.05	1,217.11	42.46
Auxiliaries, fleet tugs:					
Current year appropriations		85.50	5,206.00	*39.09*	
Previously charged to appropriations			725.05	*63.98*	
Total		85.50	5,931.05	*103.07*	
Auxiliaries, mine sweepers:					
Current year appropriations		4.30	13,934.03	8,062.83	373.94
Prior year appropriations					56.00
Previously chargedto appropriations			9,434.05	277.33	95.75
Total		4.30	23,368.08	8,340.16	525.69
Unclassified:					
Current year appropriations		809.24	51,184.34	5,644.63	4,578.70
Prior year appropriations		*83.07*			
Previously charged to appropriations		12.37	8,579.40	903.49	440.66
Total		738.54	59,763.74	6,548.12	5,019.36

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

RECAPITULATION, BY CLASSES OF VESSELS—Continued

VESSELS OUT OF COMMISSION—continued

	Title B	Title C	Title D	Title K	Title P
District craft, tugs:					
Current year appropriations	----------	$824.00	$4,753.27	$809.49	$31.09
Previously charged to appropriations	*$3,515.99*	----------	1,696.62	108.23	16.08
Total	*3,515.99*	824.00	6,449.89	917.72	47.17
Stricken from Navy List, delayed charges:					
Current year appropriations	----------	3,225.18	2,485.03	*10.20*	163.07
Prior year appropriations	*826.38*	11,367.95	----------	----------	123.50
Previously charged to appropriations	*14,164.14*	1,578.34	11,202.88	*1.81*	10.28
Total	*14,990.52*	16,171.47	13,687.91	*12.01*	296.85
Miscellaneous:					
Current year appropriations	1,882.01	129,093.77	11,214.56	37.92	219.21
Prior year appropriations	421.55	*433.59*	----------	----------	----------
Previously charged to appropriations	*1,271.33*	36,346.20	2,831.71	7.57	34.99
Total	1,032.23	165,006.38	14,046.27	45.49	254.20
Total, all vessels out of commission:	*89,529.27*	190,962.95	539,545.62	377,613.75	10,485.99
Current year appropriations	2,602.41	137,649.19	375,319.97	60,017.20	8,298.47
Prior year appropriations	*410.13*	14,711.07	28,433.25	280,180.26	257.50
Previously charged to appropriations	*91,721.55*	38,602.69	135,792.40	37,416.29	1,930.02

VESSELS OUT OF COMMISSION

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
CRUISERS, SECOND LINE					
3412 Charlotte					
14,500. May 7, 1908					
5501. Construction and Repair, 1925	----------	----------	$848.86	----------	----------
Total current year appropriations	----------	----------	848.86	----------	----------
Appropriation purchases account, material and industrial overhead	----------	----------	*1.41*	----------	----------
Grand total	----------	----------	847.45	----------	----------
3405. Huntington					
13,680. Feb. 23, 1905					
5309. Instruments and supplies, 1925	----------	----------	115.00	----------	----------
Total current year appropriations	----------	----------	115.00	----------	----------
3413. Missoula					
14,500. July 21, 1908					
5501. Construction and Repair, 1925	----------	----------	6,565.32	----------	----------
5601. Engineering, 1925	----------	----------	662.32	----------	----------
Total current year appropriations	----------	----------	7,227.64	----------	----------
Appropriation purchases account, material and industrial overhead	----------	----------	1,114.20	----------	----------
Grand total	----------	----------	8,341.84	----------	----------

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT CRUISERS, SECOND LINE					
3555. Albany					
3,430. May 29, 1900					
5501. Construction and Repair, 1925			$1,277.53		
5601. Engineering, 1925			1,896.41		$23.61
Total current year appropriations			3,173.94		23.61
Appropriation purchases account material and industrial overhead			1,264.33		
Grand total			4,438.27		23.61
3501. Chester					
3,750. Apr. 25, 1908					
5501. Construction and Repair, 1925			3,164.90		
5601. Engineering, 1925			1,741.96		
Total current year appropriations			4,906.86		
Appropriation purchases account, material and industrial overhead			566.67		
Grand total			5,473.53		
3554. New Orleans					
3,430. Mar. 18, 1898					
5501. Construction and Repair, 1925			1,197.20		
5601. Engineering, 1925			1,482.33		
Total current year appropriations			2,679.53		
Appropriation purchases account, material and industrial overhead			1,176.12		
Grand total			3,855.65		
3503. Salem					
3750. Aug. 1, 1908					
5401. Ordnance and ordnance stores, 1925				$0.66	
Total current year appropriations				.66	
MINE LAYER, SECOND LINE					
8801. Baltimore					
4,413. Jan. 7, 1890					
5501. Construction and Repair, 1925			3,109.81		
5601. Engineering, 1925			461.52		
Total current year appropriations			3,571.33		
Appropriation purchases account, material and industrial overhead			4,915.84		
Grand total			8,487.17		
DESTROYERS, FIRST LINE					
4132. Aaron Ward					
1,154. Apr. 21, 1919					
5601. Engineering, 1925			8.00		
Total current year appropriations			8.00		
4184. Abbot					
1213. July 19, 1919					
5501. Construction and Repair, 1925			*62.50*		
Total current year appropriations			*62.50*		
Appropriation purchases account, material and industrial overhead			*25.00*		
Grand total			*87.50*		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4193. Abel P. Upshur					
1,215. Nov. 23, 1920					
5401. Ordnance and ordnance stores, 1925				$64.15	
5501. Construction and Repair, 1925			$158.13		
5601. Engineering, 1925			3.80		
Total current year appropriations			161.93	64.15	
Appropriation purchases account, material and industrial overhead			22.60	10.85	
Grand total			184.53	75.00	
4211. Alden					
1,215. Nov. 24, 1919					
5501. Construction and Repair, 1925			833.80		
5601. Engineering, 1925			465.96		
Total current year appropriations			1,299.76		
Appropriation purchases account, material and industrial overhead			80.52	115.70	
Grand total			1,380.28	115.70	
4066. Allen					
1,071. Jan. 24, 1917					
5322. Organizing Naval Reserve Force, 1925:					
Subhead No. 5			5,757.60	3.92	$435.18
Subhead No. 4			2,922.14		
5401. Ordnance and ordnance stores, 1925			76.21		
5501. Construction and Repair, 1925				16.96	
5601. Engineering, 1925			6.96		
Total current year appropriations			8,762.91	20.88	435.18
Appropriation purchases account, material and industrial overhead			2,035.05		41.91
Grand total			10,797.96	20.88	477.09
4258. Aulick					
1,215. July 26, 1925					
5501. Construction and Repair, 1925			402.12		
Total current year appropriations			402.12		
Appropriation purchases account, material and industrial overhead			31.50		
Grand total			433.62		
4128. Babbitt					
1,211. Oct. 24, 1919					
5501. Construction and Repair, 1925			.07		
5601. Engineering, 1925			6.00		
Total current year appropriations			6.07		
4126. Badger					
1,211. May 29, 1919					
5501. Construction and Repair, 1925			1.18		
5601. Engineering, 1925			34.11		
Total current year appropriations			35.29		
Appropriation purchases account, material and industrial overhead			52.75		
Grand total			88.04		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4269. Bailey					
1,215. June 27, 1919					
5501. Construction and Repair, 1925			$65.12		
5601. Engineering, 1925			220.81		
Total current year appropriations			285.93		
Appropriation purchases account, material and industrial overhead			178.47		
Grand total			464.40		
4267. Ballard					
1,215. June 5, 1919					
5501. Construction and Repair, 1925			1,502.62		
5601. Engineering, 1925			1,102.79		
Total current year appropriations			2,605.41		
Appropriation purchases account, material and industrial overhead			1,866.12		
Grand total			4,471.53		
4256. Bancroft					
1,215. June 30, 1919					
5401. Ordnance and ordnance stores, 1925				$64.15	
Total current year appropriations				64.15	
Appropriation purchases account, material and industrial overhead				10.87	
Grand total				75.02	
4251. Belknap					
1,215. Apr. 28, 1919					
5401. Ordnance and ordnance stores, 1925				64.15	
5501. Construction and Repair, 1925			2,834.27		
5601. Engineering, 1925			153.09		
Total current year appropriations			2,987.36	64.15	
Appropriation purchases account, material and industrial overhead			555.85	10.85	
Grand total			3,543.21	75.00	
4095. Bell					
1,191. July 31, 1918					
5501. Construction and Repair, 1925			1,863.54		
5601. Engineering, 1925			3.80		
Total current year appropriations			1,867.34		
Appropriation purchases account, material and industrial overhead			426.26		
Grand total			2,293.60		
4049. Benham					
1,036. Jan. 20, 1924					
5501. Construction and Repair, 1925			826.74		
5601. Engineering, 1925			66.58		
Total current year appropriations			893.32		
Appropriation purchases account, material and industrial overhead			378.73.		
Grand total			1,272.05		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4136. Boggs					
1,154. Sept. 23, 1918					
5501. Construction and Repair, 1925			$94.68		
5601. Engineering, 1925			34.11	$3.65	
Total current year appropriations			128.79	3.65	
4197. Branch					
1,215. July 26, 1920					
5401. Ordnance and ordnance stores, 1925				64.15	
5501. Construction and Repair, 1925			11.82		
5601. Engineering, 1925			3.80		
Total current year appropriations			15.62	64.15	
Appropriation purchases account, material and industrial overhead				10.85	
Grand total			15.62	75.00	
4148, Breckinridge					
1,154. Feb. 27, 1919					
5501. Construction and Repair, 1925			134.70		
5601. Engineering, 1925			3.80		
Total current year appropriations			138.50		
Appropriation purchases account, material and industrial overhead			21.23		
Grand total			159.73		
4122. Breese					
1,154. Oct. 23, 1918					
5501. Construction and Repair, 1925			5.53		
Total current year appropriations			5.53		
4210. Broome					
1,215. Oct. 31, 1919					
5501. Construction and Repair, 1925			214.41		
5601. Engineering, 1925			446.52		
5702. Provisions, 1925		$63.50			
Total current year appropriations		63.50	660.93		
Appropriation purchases account, material and industrial overhead			1,050.74		
Grand total		63.50	1,711.67		
4131. Buchanan					
1,154. Jan. 20, 1919					
5501. Construction and Repair, 1925			1,036.70		
5601. Engineering, 1925			577.63		
Total current ycar appropriations			1,614.33		
Appropriation purchases account, material and industrial overhead			132.02		
Grand total			1,746.35		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4104. Champlin					
1,191. Nov. 11, 1918					
5501. Construction and Repair, 1925			$201.14		
5601. Engineering, 1925			19.87		
Total current year appropriations			221.01		
Appropriation purchases account, material and industrial overhead			27.00		
Grand total			248.01		
4206. Chandler					
1,215. Sept. 5, 1919					
5501. Construction and Repair, 1925			109.72		
5601. Engineering, 1925			614.06	$1.03	
Total current year appropriations			723.78	1.03	
Appropriation purchases account, material and industrial overhead			241.76	293.80	
Grand total			965.54	294.83	
4106. Chew					
1,191. Dec. 12, 1918					
5501. Construction and Repair, 1925			9.20		
5601. Engineering, 1925			7.57		
Total current year appropriations			16.77		
Appropriation purchases account, material and industrial overhead			6.60		
Grand total			23.37		
4140. Clarton					
1,154. Sept. 13, 1919					
5501. Construction and Repair, 1925			283.32		
Total current year appropriations			283.32		
4186. Clemson					
1,215. Dec. 29, 1919					
5501. Construction and Repair, 1925			3,742.71		
5601. Engineering, 1925			348.11		
Total current year appropriations			4,090.82		
Appropriation purchases account, material and industrial overhead			854.08		
Grand total			4,944.90		
4085. Colhoun					
1,191. June 13, 1918					
5501. Construction and Repair, 1925			5.05		
Total current year appropriations			5.05		
4109. Crane					
1,191. Apr. 18, 1919					
5501. Construction and Repair, 1925			253.42		
5601. Engineering, 1925			6.25		
Total current year appropriations			259.67		
Appropriation purchases account, material and industrial overhead			797.59		
Grand total			1,057.26		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4070. Craven					
1,125. Oct. 19, 1918					
5601. Engineering, 1925				$37.44	
Total current year appropriations				37.44	
4164. Crosby					
1,191. Jan. 24, 1919					
5501. Construction and Repair, 1925			$1.67		
Total current year appropriations			1.67		
Appropriation purchases account, material and industrial overhead			21.60		
Grand total			23.27		
4187. Dahlgren					
1,215. Jan. 6, 1920					
5601. Engineering, 1925			.37		
Total current year appropriations			.37		
4116. Dent					
1,154. Sept. 9, 1918					
5501. Construction and Repair, 1925			131.92		
5601. Engineering, 1925			978.02		
Total current year appropriations			1,109.94		
Appropriation purchases account, material and industrial overhead			542.90		
Grand total			1,652.84		
4157. Dickerson					
1,211. Sept. 3, 1917					
5401. Ordnance and ordnance stores, 1925					*$14.35*
Total current year appropriations					*14.35*
Appropriation purchases account, material and industrial overhead					*3.75*
Grand total					*18.10*
4117. Dorsey					
1,154. Sept. 16, 1918					
5501. Construction and Repair, 1925			1.92		
Total current year appropriations			1.92		
Appropriation purchases account, material and industrial overhead			27.20		
Grand total			29.12		
4046. Duncan					
435. Aug. 30, 1913					
5501. Construction and Repair, 1925			561.69	5.30	
5601. Engineering, 1925			98.83		
Total current year appropriations			660.52	5.30	
Appropriation purchases account, material and industrial overhead			176.80		
Grand total			837.32	5.30	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4084. Dyer					
1,191. July 1, 1918					
5501. Construction and Repair, 1925			$1,497.88		
5601. Engineering, 1925			68.16		
Total current year appropriations			1,566.04		
Appropriation purchases account, material and industrial overhead			702.14		
Grand total			2,268.18		
4265. Edwards					
1,215. April 24, 1919					
5501. Construction and Repair, 1925			959.22		
5601. Engineering, 1925			644.78		
Total current year appropriations			1,604.00		
Appropriation purchases account, material and industrial overhead			637.00		
Grand total			2,241.00		
4146. Elliot					
1,154. Jan. 25, 1919					
5501. Construction and Repair, 1925			234.14		
5601. Engineering, 1925			608.79		
5708. Fuel and transportation, 1925		$2,222.83			
Total current year appropriations		2,222.83	842.93		
Appropriation purchases account, material and industrial overhead			896.82		
Grand total		2,222.83	1,739.75		
4078. Evans					
1,154. Nov. 11, 1918					
5501. Construction and Repair, 1925			229.74		
5601. Engineering, 1925			8.00		
Total current year appropriations			237.74		
4123. Gamble					
1,213. Nov. 29, 1918					
5501. Construction and Repair, 1925			1.00		
Total current year appropriations			1.00		
Appropriation purchases account, material and industrial overhead			16.20		
Grand total			17.20		
4196. George E. Badger					
1,211. May 29, 1919					
5401. Ordnance and ordnance stores, 1925				$64.15	
5601. Engineering, 1925			*11.94*		
Total current year appropriations			*11.94*	64.15	
Appropriation purchases account, material and industrial overhead				10.85	
Grand total			*11.94*	75.00	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4260. Gillis					
1,215. Sept. 3, 1919					
5501. Construction and Repair, 1925			$64.22		
5601. Engineering, 1925			308.41		
Total current year appropriations			372.63		
Appropriation purchases account, material and industrial overhead			694.47		
Grand total			1,067.10		
4188. Goldsborough					
1,215. Jan. 26, 1920					
5501. Construction and Repair, 1925			22.28		
Total current year appropriations			22.28		
4266. Greene					
1,215. May 9, 1919					
5501. Construction and Repair, 1925			534.50		
5601. Engineering, 1925			233.89		
Total current year apporpriations			768.39		
Appropriation purchases account, material and industrial overhead			40.44		
Grand total			808.83		
4145. Greer					
1,154. Dec. 31, 1918					
5501. Construction and Repair, 1925			382.46		
5601. Engineering, 1925			4.00		
Total current year appropriations			386.46		
4082. Gregory					
1,191. June 1, 1918					
5401. Ordnance and ordnance stores, 1925			1.38		
Total current year appropriations			1.38		
4092. Gridley					
1,191. Mar. 8, 1919					
5601. Engineering, 1925			52.05		
Total current year appropriations			52.05		
Appropriation purchases account, material and industrial overhead			13.61		
Grand total			65.66		
4133. Hale					
1,154. June 12, 1919					
5501. Construction and Repair, 1925			9.87		
5601. Engineering, 1925			3.80		
Total current year appropriations			13.67		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4141. Hamilton					
1,154. Nov. 7, 1919					
5501. Construction and Repair, 1925			$200.83		
Total current year appropriations			200.83		
4160. Herbert					
1,211. Nov. 21, 1919					
5501 Construction and Repair, 1925			230.90		
Total current year appropriations			230.90		
Appropriation purchases account, material and industrial overhead					$0.49
Grand total			230.90		.49
4178. Hogan					
1,191. Oct. 1, 1919					
5501. Construction and Repair, 1925			250.84		
5601. Engineering, 1925			2.00		
Total current year appropriations			252.84		
Appropriation purchases account, material and industrial overhead			43.03		
Grand total			295.87		
4181. Hopewell					
1,213. Mar. 21, 1919					
5309. Instruments and supplies, 1925					158.63
5501. Construction and Repair, 1925			1,024.90		
5601. Engineering, 1925			19.72		
Total current year appropriations			1,044.62		158.63
Appropriation purchases account, material and industrial overhead			3.40		
Grand total			1,048.02		158.63
4208. Hovey					
1,215. Oct. 2, 1919					
5309. Instruments and supplies, 1925					12.00
5501. Construction and Repair, 1925			75.37		
5601. Engineering, 1925			849.84		
Total current year appropriations			925.21		12.00
Appropriation purchases account, material and industrial overhead			807.95	$349.05	
Grand total			1,733.16	349.05	12.00
4179. Howard					
1,191. Jan. 29, 1920					
5601 Engineering, 1925			11.50		
Total current year appropriations			11.50		
4130. Jacob Jones					
1,211. Oct. 20, 1919					
Appropriation purchases account, material and industrial overhead			13.79		
Grand total			13.79		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4154. J. Fred Talbott					
1,154. June 30, 1919					
5601. Engineering, 1925			$809.78		
Total current year appropriations			809.78		
Appropriation purchases account, material and industrial overhead			29.08		
Grand total			838.86		
4170. Kalk					
1,191. Mar. 29, 1919					
5501. Construction and Repair, 1925			1.44		
Total current year appropriations			1.44		
4137. Kilty					
1,154. Dec. 17, 1918					
5501. Construction and Repair, 1925			234.18		
Total current year appropriations			234.18		
Appropriation purchases account, material and industrial overhead			71.00		
Grand total			305.18		
4020. Kimberly					
1,191. Apr. 26, 1918					
5401. Ordnance and ordnance stores, 1925			1.36		
5501. Construction and Repair, 1925			1.90		
5601. Engineering, 1925			3.80		
Total current year appropriations			7.06		
4119. Lamberton					
1,213. Aug. 22, 1918					
Appropriation purchases account, material and industrial overhead			41.40		
Grand total			41.40		
4263. Laub					
1,215. Mar. 17, 1919					
5501. Construction and Repair, 1925			113.50		
5601. Engineering, 1925			547.20		
Total current year appropriations			660.70		
Appropriation purchases account, material and industrial overhead			622.12		
Grand total			1,282.82		
4118. Lea					
1,154. Oct. 2, 1918					
5501. Construction and Repair, 1925			249.26		
5601. Engineering, 1925			649.60		
Total current year appropriations			898.86		
Appropriation purchases account, material and industrial overhead			795.34		
Grand total			1,694.20		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4209. Long					
1,215. Oct. 20, 1919					
5501. Construction and Repair, 1925			$530.11		
5601. Engineering, 1925			404.21		
Total current year appropriations			934.32		
Appropriation purchases account, material and industrial overhead			582.46	$253.70	
Grand total			1,516.78	253.70	
4175. Mackenzie					
1,191. July 25, 1919					
5501. Construction nd Repair, 1925			229.74		
Total current year appropriations			229.74		
4168. Maddox					
1,191. Mar. 10, 1919					
5501. Construction and Repair, 1925			46.86		
Total current year appropriations			46.86		
Appropriation purchases account, material and industrial overhead			11.49		
Grand total			58.35		
4191. Mason					
1,215. Feb. 28, 1920					
5401. Ordnance and ordnance stores, 1925				64.15	
Total current year appropriations				64.15	
Appropriation purchases account, material and industrial overhead				10.85	
Grand total				75.00	
4253. Mc Calla					
1,215. May 19, 1919					
5401. Ordnance and ordnance stores, 1925				64.15	
5501. Construction and Repair, 1925			83.32		
Total current year appropriations			83.32	64.15	
Appropriation purchases account, material and industrial overhead			21.62	10.86	
Grand total			104.94	75.01	
4252. Mc Cook					
1,215. Apr. 30, 1919					
5401. Ordnance and ordnance stores, 1925				64.15	
Total current year appropriations				64.15	
Appropriation purchases account, material and industrial overhead				10.85	
Grand total				75.00	
4090. McKean					
1,191. Feb. 25, 1919					
5501. Construction and Repair, 1925			2.95		
5601. Engineering, 1925			3.80		
Total current year appropriations			6.75		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4087. McKee					
1,191. Sept. 7, 1918					
5501. Construction and Repair, 1925			$1,480.01		
5601. Engineering, 1925			59.63		
Total current year appropriations			1,539.64		
Appropriation purchases account, material and industrial overhead			696.99		
Grand total			2,236.63		
4264. McLanahan					
1,215. Apr. 5, 1919					
5501. Construction and Repair, 1925			630.58		
5601. Engineering, 1925			76.51		
Total current year appropriations			707.09		
Appropriation purchases account, material and industrial overhead			414.31		
Grand total			1,121.40		
4274. Meade					
1,215. Sept. 8, 1919					
5501. Construction and Repair, 1925			533.82		
5601. Engineering, 1925			216.59		
Total current year appropriations			750.41		
All prior year appropriations					$10.00
Appropriation purchases account, material and industrial overhead			26.32		
Grand total			776.73		10.00
4121. Montgomery					
1,213. July 26, 1918					
309. Instruments and supplies, 1925					16.00
Total current year appropriations					16.00
Appropriation purchases account, material and industrial overhead			32.00		
Grand total			32.00		16.00
4271. Morris					
1,215. July 21, 1919					
5501. Construction and Repair, 1925			440.18		
5601. Engineering, 1925			93.16		
Total current year appropriations			533.34		
Appropriation purchases account, material and industrial overhead			*614.18*		
Grand total			*80.84*		
4105. Mugford					
1,191. Nov. 25, 1918					
Appropriation purchases account, material and industrial overhead			208.00		
Grand total			208.00		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4177. O'Bannon					
1,191. Aug. 27, 1919					
5501. Construction and Repair, 1925			$351.29		
5601. Engineering, 1925			2.25		
Total current year appropriations			353.54		
Appropriation purchases account, material and industrial overhead			68.50		
Grand total			422.04		
4255. Osmond Ingram					
1,215. June 28, 1919					
5401. Ordnance and ordnance stores, 1925				$64.15	
5702. Provisions, 1925		$0.75			
Total current year appropriations		.75		64.15	
All prior year appropriations					
Appropriation purchases account, material and industrial overhead				10.87	
Grand total		.75		75.02	
4161. Palmer					
1,191. Nov. 22, 1918					
5501. Construction and Repair, 1925			340.73		
5601. Engineering, 1925			11.05		
Total current year appropriations			351.78		
Appropriation purchases account, material and industrial overhead			4.08		
Grand total			355.86		
4340. Perry					
1,215. Aug. 7, 1922					
5501. Construction and Repair, 1925			67.50		
5601. Engineering, 1925			201.36		
Total current year appropriations			268.86		
Appropriation purchases account, material and industrial overhead			339.40		
Grand total			608.26		
4076. Philip					
1,154. Aug. 24, 1918					
5501. Construction and Repair, 1925			127.27		
5601. Engineering, 1925			1.00		
Total current year appropriations			128.27		
Appropriation purchases account, material and industrial overhead			16.00		
Grand total			144.27		
4120. Radford					
1,213. Sept. 30, 1918					
5501. Construction and Repair			.45		
Total current year appropriations			.45		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4124. Ramsay					
1,213. Feb. 15, 1919					
5501. Construction and Repair, 1925			$7.21		
Total current year appropriations			7.21		
4113. Rathburne					
1,154. June 24, 1918					
5501. Construction and Repair, 1925			41.13		
5601. Engineering, 1925			953.92		
Total current year appropriations			995.05		
Appropriation purchases account, material and industrial overhead			1,873.13		
Grand total			2,868.18		
4176. Renshaw.					
1,191. July 31, 1919					
5501. Construction and Repair, 1925			207.58		
Total current year appropriations			207.58		
Appropriation purchases account material and industrial overhead			5.68		
Grand total			213.26		
4088. Robinson					
1,191. Oct. 19, 1918					
5601. Engineering, 1925			7.80		
Total current year appropriations			7.80		
Appropriation purchases account, material and industrial overhead			1.30		
Grand total			9.10		
4254. Rodgers					
1,215. July 22, 1919					
5501. Construction and Repair, 1925				$1.94	
Total current year appropriations				1.94	
4147. Roper					
1,154. Feb. 15, 1919					
5501. Construction and Repair, 1925			4.80		
5601. Engineering, 1925			15.50		
Total current year appropriations			20.30		
Appropriation purchases account, material and industrial overhead			5.24		
Grand total			25.54		
4190. Satterlee					
1,215. Dec. 23, 1919					
5501. Construction and Repair, 1925			2,072.99		
5601. Engineering, 1925			104.14		
Total current year appropriations			2,177.13		
Appropriation purchases account, material and industrial overhead			328.43		
Grand total			2,505.56		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4103. Schley					
1,191. Sept. 20, 1918					
5501. Construction and Repair, 1925			$781.71		
5601. Engineering, 1925			15.64		
Total current year appropriations			797.35		
Appropriation purchases account, material and industrial overhead			279.94		
Grand total			1,077.29		
4268. Shubrick					
1,215. July 3, 1919					
5501. Construction and Repair, 1925			325.99		
5601. Engineering, 1925			108.64		
Total current year appropriations			434.63		
Appropriation purchases account, material and industrial overhead			40.55		
Grand total			475.18		
4081. Sigourney					
1,191. May 15, 1918					
5401. Ordnance and ordnance stores, 1925			1.38		
5601. Engineering, 1925			4,603.23		
Total current year appropriations			4,604.61		
Appropriation purchases account, material and industrial overhead			715.27		
Grand total			5,319.88		
4207. Southard					
1,215. Sept. 24, 1919					
5501. Construction and Repair, 1925			63.72		
5601. Engineering, 1925			522.07		
Total current year appropriations			585.79		
All prior year appropriations	*$5.30*				
Appropriation purchases account, material and industrial overhead			514.97	$145.60	
Grand total	*5.30*		1,100.76	145.60	
4180. Stansbury					
1,191. Jan. 8, 1920					
5501. Construction and Repair, 1925			234.18		
Total current year appropriations			234.18		
4086. Stevens					
1,191. May 24, 1918					
5501. Construction and Repair, 1925			57.56		
5601. Engineering, 1925			3.80		
Total current year appropriations			61.36		
Appropriation purchases account, material and industrial overhead			14.05		
Grand total			75.41		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4083. Stringham					
1,191. July 2, 1918					
5401. Ordnance and ordnance stores, 1925			$1. 38		
Total current year appropriations			1. 38		
4273. Swasey					
1,215. Aug. 8, 1919					
5501. Construction and Repair, 1925			66. 02		
5601. Engineering, 1925			174. 38		
Total current year appropriations			240. 40		
Appropriation purchases account, material and industrial overhead			20. 67		
Grand total			261. 07		
4114. Talbot					
1,154. July 20, 1918					
5501. Construction and Repair, 1925			312. 38		
5601. Engineering, 1925			892. 29		
Total current year appropriations			1, 204. 67		
Appropriation purchases account, material and industrial overhead			2, 199. 79		
Grand total			3, 404. 46		
4142. Tarbell					
1,154. Nov. 27, 1918					
5501. Construction and Repair, 1925			259. 93		
5601. Engineering, 1925			27. 50		
Total current year appropriations			287. 43		
Appropriation purchases account, material and industrial overhead			24. 32		
Grand total			311. 75		
4125. Tattnall					
1,211. June 26, 1919					
5501. Construction and Repair, 1925			258. 03		
5601. Engineering, 1925			323. 98		
Total current year appropriations			582. 01		
Appropriation purchases account, material and industrial overhead			84. 82		
Grand total			666. 83		
4094. Taylor					
1,154. June 1, 1918					
5501. Construction and Repair, 1925			1, 836. 63		
5601. Engineering, 1925			121. 90		
Total current year appropriations			1, 958. 53		
Appropriation purchases account, material and industrial overhead			330. 27		
Grand total			2, 288. 80		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4162. Thatcher					
1,191. Jan. 14, 1919					
5101. Pay, miscellaneous, 1925		$1.70			
5501. Construction and Repair, 1925			$233.09		
Total current year appropriations		1.70	233.09		
Appropriation purchases account, material and industrial overhead			33.76		
Grand total		1.70	266.85		
4270. Thornton					
1,215. July 15, 1919					
5501. Construction and Repair, 1925			814.39		
5601. Engineering, 1925			108.70		
Total current year appropriations			923.09		
Appropriation purchases account, material and industrial overhead			28.26		
Grand total			951.35		
4135. Tillman					
1,154. Apr. 30, 1921					
5501. Construction and Repair, 1925			1,938.70		
5601. Engineering, 1925			83.60		
Total current year appropriations			2,022.30		
Appropriation purchases account, material and industrial overhead			325.59		
Grand total			2,347.89		
4272. Tingey					
1,215. July 25, 1919					
5501. Construction and Repair, 1925			831.19		
5601. Engineering, 1925			105.38		
Total current year appropriations			936.57		
Appropriation purchases account, material and industrial overhead			61.63		
Grand total			998.20		
4339. Trever					
1,215. Aug. 3, 1922					
5501. Construction and Repair, 1925			65.46		
5601. Engineering, 1925			193.72		
Total current year appropriations			259.18		
Appropriation purchases account, material and industrial overhead			2,310.39		
Grand total			2,569.57		
4057. Tucker					
1,090. Apr. 11, 1916					
5401. Ordnance and ordnance stores, 1925			54.41		$867.17
5501. Construction and Repair, 1925			14,189.62		
5601. Engineering, 1925			19,356.49	$1,856.03	
Total current year appropriations			33,600.52	1,856.03	867.17
Appropriation purchases account, material and industrial overhead			12,279.07	430.36	987.71
Grand total			45,879.59	2,286.39	1,854.88

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4259. Turner					
1,215. Sept. 24, 1919					
5501. Construction and Repair, 1925			$317.37		
5601. Engineering, 1925			129.58		
Total current year appropriations			446.95		
Appropriation purchases account, material and industrial overhead			2.77		
Grand total			449.72		
4127. Twiggs					
1,211. July 28, 1919					
5501. Construction and Repair, 1925			532.74		
5601. Engineering, 1925			104.69		
Total current year appropriations			637.43		
Appropriation purchases account, material and industrial overhead			7.90		
Grand total			645.33		
4144. Upshur					
1,154. Dec. 23, 1918					
5501. Construction and Repair, 1925			249.37		
5601. Engineering, 1925			14.61		
Total current year appropriations			263.98		
Appropriation purchases account, material and industrial overhead			18.88		
Grand total			282.86		
4060. Wadsworth					
1,060. July 23, 1915					
5401. Ordnance and ordnance stores, 1925					$0.98
Total current year appropriations					.98
4163. Walker					
1,191. Jan. 31, 1919					
5 01. Construction and Repair, 1925			760.58		
Total current year appropriations			760.58		
Appropriation purchases account, material and industrial overhead			.50		
Grand total			761.08		
4139. Ward					
1,247. July 24, 1918					
5501. Construction and Repair, 1925			230.85		
5601. Engineering, 1925			745.36		
Total current year appropriations			976.21		
All prior year appropriations				$147.00	
Appropriation purchases account, material and industrial overhead			737.65		
Grand total			1,713.86	147.00	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4338. Wasmuth					
1,215. Dec. 16, 1921					
5501. Construction and Repair, 1925			$1,084.70		
5601. Engineering, 1925			19.50		
Total current year appropriations			1,104.20		
Appropriation purchases account, material and industrial overhead			32.00		
Grand total			1,136.20		
4115. Waters					
1,154. Aug. 8, 1918					
5501. Construction and Repair, 1925			17.18		
5601. Engineering, 1925			1,313.63		
Total current year appropriations			1,330.81		
Appropriation purchases account, material and industrial overhead			1,632.82		
Grand total			2,963.63		
4195. Welborn C. Wood					
1,215. Jan. 14, 1921					
5401. Ordnance and ordnance stores, 1925				$64.15	
5501. Construction and Repair, 1925			10.84		
5601. Engineering, 1925			3.80		
Total current year appropriations			14.64	64.15	
Appropriation purchases account, material and industrial overhead				10.85	
Grand total			14.64	75.00	
4257. Welles					
1,215. Sept. 2, 1919					
5501. Construction and Repair, 1925			36.88		
5601. Engineering, 1925			4.00		
Total current year appropriations			40.88		
Appropriation purchases account, material and industrial overhead			18.18		
Grand total			59.06		
4075. Wickes					
1,154. July 31, 1918					
5501. Construction and Repair, 1925			215.31		
5601. Engineering, 1925			6.61		
Total current year appropriations			221.92		
Appropriation purchases account, material and industrial overhead			41.64		
Grand total			263.56		
4108. Williams					
1,141. Mar. 1, 1919					
5501. Construction and Repair, 1925			217.21		
5601. Engineering, 1925			7.95		
Total current year appropriations			225.16		
Appropriation purchases account, material and industrial overhead			17.06		
Grand total			242.22		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
DESTROYERS, FIRST LINE—continued					
4053. Winslow					
1,050. Aug. 7, 1915					
5501. Construction and Repair, 1925			*$129.00*		
Total current year appropriations			*129.00*		
Appropriation purchases account, material and industrial overhead			*44.00*		
Grand total			*173.00*		
4143. Yarnall					
1,154. Nov. 29, 1918					
5501. Construction and Repair, 1925			239.58		
5601. Engineering, 1925			834.93		
Total current year appropriations			1,074.51		
Appropriation purchases account, material and industrial overhead			1,059.65		
Grand total			2,134.16		
4337. Zane					
1,215. Feb. 15, 1921					
5501. Construction and Repair, 1925			71.76		
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)	$720.40				
5601. Engineering, 1925			513.65		
Total current year appropriations	720.40		585.41		
Appropriation purchases account, material and industrial overhead			789.42		
Grand total	720.40		1,374.83		
DESTROYERS, SECOND LINE					
4023. Drayton					
742. Oct. 29, 1910					
5501. Construction and Repair, 1925			781.00		
5601. Engineering, 1925			66.16		
Total current year appropriations			847.16		
Appropriation purchases account, material and industrial overhead			324.42		
Grand total			1,171.58		
4039. Wenley					
742					
5322. (4) Organizing Naval Reserve Force, 1925			.84		
5501. Construction and Repair, 1925			32.74		
Total current year appropriations			33.58		
Appropriation purchases account, material and industrial overhead	*4,132.96*	$11.19	3.37		
Grand total	*4,132.96*	11.19	36.95		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT MINE LAYERS					
4172. Anthony					
1,191. June 19, 1919					
5309. Instruments and supplies, 1925					$10.00
5401. Ordnance and ordnance stores, 1925					48.19
5501. Construction and Repair, 1925			$333.21		
5601. Engineering			547.21		
Total current year appropriations			880.42		58.19
Appropriation purchases account, material and industrial overhead			297.16		22.52
Grand total			1,177.58		80.71
4111. Ingraham					
1191. May 15, 1919					
5401. Ordnance and ordnance stores, 1925					21.27
5501. Construction and Repair, 1925			1,443.00	$23.56	
5601. Engineering, 1925			3,680.17		
Total current year appropriations			5,123.17	23.56	21.27
All prior year appropriations					12.00
Appropriation purchases account, material and industrial overhead			1,999.74	9.39	11.11
Grand total			7,122.91	32.95	44.38
4098. Israel					
1,191. Sept. 13, 1918					
5501. Construction and Repair, 1925			1.90		
5601. Engineering, 1925			3.80	28.79	
Total current year appropriations			5.70	28.79	
Appropriation purchases account, material and industrial overhead				6.21	
Grand total			5.70	35.00	
4099. Luce					
1,191. Sept. 11, 1918					
5401. Ordnance and ordnance stores, 1925			.95		
5601. Engineering, 1925				28.79	
Total current year appropriations			.95	28.79	
Appropriation purchases account, material and industrial overhead				6.21	
Grand total			.95	35.00	
4097. Murray					
1,191. Aug. 21, 1918					
5501. Construction and Repair, 1925			1.90		
5601. Engineering, 1925			3.80		
Total current year appropriations			5.70		
4173. Sproston					
1,191. July 12, 1919					
5309. Instruments and supplies, 1925					14.00
5401. Ordnance and ordnance stores, 1925					13.41
5501. Construction and Repair, 1925			463.26		
5601. Engineering, 1925			1,229.33		
Total current year appropriations			1,692.59		27.41
All prior year appropriations					12.00
Appropriation purchases account, material and industrial overhead			662.19		2.34
Grand total			2,354.78		41.75

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
LIGHT MINE LAYERS—continued					
4096. Stribling					
1,191. Aug. 16, 1918					
5401. Ordnance and ordnance stores, 1925					$22.41
5501. Construction and Repair, 1925			$641.59		
5601. Engineering, 1925			3,276.59		
Total current year appropriations			3,918.18		22.41
Appropriation purchases account, material and industrial overhead			1,662.91		10.47
Grand total			5,581.09		32.88
SUBMARINE, FIRST LINE					
5158. S-47					
1126. ——					
Appropriation purchases account, material and industrial overhead	$2,109.23				39.50
Grand total	2,109.23				39.50
SUBMARINES, SECOND LINE					
5029. H-2					
5501. Construction and Repair, 1925			38.22		
Total current year appropriations			38.22		
5151. H-8					
5501. Construction and Repair, 1925			1,389.26		
5601. Engineering, 1925			2.80		
Total current year appropriations			1,392.06		
Appropriation purchases account, material and industrial overhead			530.80		
Grand total			1,922.86		
5152. H-9					
5501. Construction and Repair, 1925			2,356.43		
5601. Engineering, 1925			50.31		
Total current year appropriations			2,406.74		
All prior year appropriations		*$21.00*			
Appropriation purchases account, material and industrial overhead			902.60		
Grand total		*21.00*	3,309.34		
5032. K-1					
5501. Construction and Repair, 1925			2,515.17		
5601. Engineering, 1925			144.20		
Total current year appropriations			2,659.37		
Appropriation purchases account, material and industrial overhead			966.75		
Grand total			3,626.12		
5033. K-2					
5501. Construction and Repair, 1925			2,426.74		
5601. Engineering, 1925			119.02		
Total current year appropriations			2,545.76		
Appropriation purchases account, material and industrial overhead	*6,000.00*		934.80		
Grand total	*6,000.00*		3,480.56		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5034. K-3					
5501. Construction and Repair, 1925			$2,678.76		
5601. Engineering, 1925			132.66		
Total current year appropriations			2,811.42		
Appropriation purchases account, material and industrial overhead			953.85		
Grand total			3,765.27		
5035. K-4					
5501. Construction and Repair, 1925			2,429.83		
5601. Engineering, 1925			25.24		
Total current year appropriations			2,455.07		
Appropriation purchases account, material and industrial overhead			956.99		
Grand total			3,412.06		
5036. K-5					
5501. Construction and Repair, 1925			2,466.26		
5601. Engineering, 1925			30.86		
Total current year appropriations			2,497.12		
Appropriation purchases account, material and industrial overhead			852.57		
Grand total			3,349.69		
5037. K-6					
5501. Construction and Repair, 1925			2,150.14		
5601. Engineering, 1925			29.20		
Total current year appropriations			2,179.34		
Appropriation purchases account, material and industrial overhead			783.91		
Grand total			2,963.25		
5038. K-7					
5501. Construction and Repair, 1925			989.49		
Total current year appropriations			989.49		
Appropriation purchases account, material and industrial overhead			406.48		
Grand total			1,395.97		
5039. K-8					
5501. Construction and Repair, 1925			1,783.86		
Total current year appropriations			1,783.86		
Appropriation purchases account, material and industrial overhead			778.33		
Grand total			2,562.19		
5041. L-2					
5501. Construction and Repair, 1925			1,117.84		
Total current year appropriations			1,117.84		
Appropriation purchases account, material and industrial overhead	*$4,055.33*		627.53		
Grand total	*4,055.33*		1,745.37		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5042. L–3					
5401. Ordnance and ordnance stores, 1925					$122.31
5501. Construction and Repair, 1925			$2,544.57		
5601. Engineering, 1925			112.25		
Total current year appropriations			2,656.82		122.31
Appropriation purchases account, material and industrial overhead	*$12,260.03*		881.55		21.04
Grand total	*12,260.03*		3,538.37		143.35
5044. L–5					
501. Construction and Repair, 1925			1,881.15		
Total current year appropriations			1,881.15		
Appropriation purchases account, material and industrial overhead			852.44		
Grand total			2,733.59		
5045. L–6					
5501. Construction and Repair, 1925			3,007.24		
5601. Engineering, 1925			119.74		
Total current year appropriations			3,126.98		
Appropriation purchases account, material and industrial overhaed			977.55		
Grand total			4,104.53		
5046. L–7					
5501. Construction and Repair, 1925			3,117.05		
5601. Engineering, 1925			153.03		
Total current year appropriations			3,270.08		
Appropriation purchases account, material and industrial overhead			1,000.94		
Grand total			4,271.02		
5048. L–8					
5501. Construction and Repair, 1925			2,725.79		
5601. Engineering, 1925			26.68		
Total current year appropriations			2,752.47		
Appropriation purchases account, material and industrial overhead			860.18		
Grand total			3,612.65		
5049. L–9					
5401. Ordnance and ordnance stores, 1925					48.28
5501. Construction and repair, 1925			2,269.30		
5601. Engineering, 1925			25.83		
Total current year appropriations			2,295.13		48.28
Appropriation purchases account, material and industrial overhead	*4,540.73*		779.45		5.06
Grand total	*4,540.73*		3,074.58		53.34
5051. L–11					
5401. Ordnance and ordnance stores, 1925					155.06
5501. Construction and Repair, 1925			2,384.36		
5601. Engineering, 1925			117.88		
Total current year appropriations			2,502.24		155.06
Appropriation purchases account, material and industrial overhead	*28,420.47*	$444.11	835.30		24.62
Grand total	*28,420.47*	444.11	3,337.54		179.68

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5072. O–11					
5501. Construction and Repair, 1925			*$1,788.94*		
5601. Engineering, 1925			*978.36*		
Total current year appropriations			*2,767.30*		
All prior year appropriations		$1,586.32			
Appropriation purchases account, material and industrial overhead	*$901.32*	87	*576.07*		
Grand total	*901.32*	1,587.19	*3,343.37*		
5073. O–12					
5501. Construction and Repair, 1925			290.96		
5601. Engineering, 1925			*38.46*		
Total current year appropriations			252.50		
All prior year appropriations		2,068.31			
Appropriation purchases account, material and industrial overhead	*300.00*	155.46	65.62		$8.50
Grand total	*300.00*	2,223.77	318.12		8.50
5074. O–13					
5501. Construction and Repair, 1925			351.73		
5601. Engineering, 1925			98.68		
Total current year appropriations			450.41		
Appropriation purchases account, material and industrial overhead	*832.82*	.87	97.63		
Grand total	*832.82*	.87	548.04		
5075. O–14					
5501. Construction and Repair, 1925			322,70		
5601. Engineering, 1925			180.66		
Total current year appropriations			503.36		
Appropriation purchases account, material and industrial overhead	*4,433.81*	.87	93.43		
Grand total	*4,433.81*	.87	596.79		
5076. O–15					
5501. Construction and Repair, 1925			427.22		
5601. Engineering, 1925			224.60		
Total current year appropriations			651.82		
Appropriation purchases account, material and industrial overhead	*1,242.77*	.87	113.50		
Grand total	*1,242.77*	.87	765.32		
5077. O–16					
5501. Construction and Repair, 1925			409.44		
5601. Engineering, 1925			123.08		
Total current year appropriations			532.52		
Appropriation purchases account, material and industrial overhead	*4,465.22*	.92	114.08		
Grand total	*4,465.22*	.92	646.60		
5098. R–21					
5501. Construction and Repair, 1925			182.98	$50.00	
5601. Engineering, 1925			61.51		
Total current year appropriations			244.49	50.00	
Appropriation purchases account, material and industrial overhead	*12.21*		66.93		
Grand total	*12.21*		311.42	50.00	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
SUBMARINES, SECOND LINE—continued					
5102. R-25					
5501. Construction and Repair, 1925		$16.50	$206.83	$10,617.96	
5601. Engineering, 1925		15.91	68.77	1,876.65	
5704. Maintenance, Supplies and Accounts, 1925		7.92			
Total current year appropriations		40.33	275.60	12,494.61	
All prior year appropriations		32.45			
Appropriation purchases account, material and industrial overhead	*$2,271.08*		61.73		$16.37
Grand total	*2,271.08*	72.78	337.33	12,494.61	16.37
FLEET SUBMARINES, FIRST LINE					
5052. T-1					
5601. Engineering, 1925					30.65
Total current year appropriations					30.65
5060. T-2					
——. Jan. 7, 1922					
5501. Construction and Repair, 1925				80.05	
Total current year appropriations				80.05	
Appropriation purchases account, material and industrial overhead	*1,010.57*			7.81	
Grand total	*1,010.57*			87.86	
5061. T-3					
——. Dec. 7, 1920					
5501. Construction and Repairs, 1925			22,343.30	24,712.14	699.14
5601. Engineering, 1925			1,113.95	4,788.53	
Total current year appropriations			23,457.25	29,501.67	699.14
All prior year appropriations		136.80	28,433.25	280,033.26	
Appropriation purchases account, material and industrial overhead			15,821.14	34,310.11	69.38
Grand total		136.80	67,711.64	343,845.04	768.52
PATROL VESSELS, EAGLES					
5307. Eagle No. 7					
500. June 11, 1919					
5501. Construction and Repair, 1925			9,920.65		
5601. Engineering, 1925			.62		
Total current year appropriations			9,921.27		
All prior year appropriations					10.00
Grand total			9,921.27		10.00
5310. Eagle No. 10					
500. Oct. 31, 1919					
5601. Engineering, 1925			26.71		
Total current year appropriations			26.71		
All prior year appropriations					12.00
Appropriation purchases account, material and industrial overhead			.93		
Grand total			27.64		12.00

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, EAGLES—continued					
5314. Eagle No. 14					
500. June 17, 1919					
5501. Construction and Repair, 1925			$31.54		
5601. Engineering, 1925			20.30		
Total current year appropriations			51.84		
All prior year appropriations					$22.00
Appropriation purchases account, material and industrial overhead			3.55		
Grand total			55.39		22.00
5322. Eagle No. 22					
500. July 14, 1919					
5322. (17) Organizing Naval Reserve Force		$0.05			
5601 Engineering, 1925			.62		
Total current year appropriations		.05	.62		
5328. Eagle No. 28					
500. July 28, 1919					
Appropriation purchases account, material and industrial overhead		48.00			
Grand total		48.00			
5337. Eagle No. 37					
500. Oct. 4, 1919					
5601. Engineering, 1925			7.44		
Total current year appropriations			7.44		
5339. Eagle No. 39					
500. Oct. 3, 1919					
5501. Construction and Repair, 1925			96.13		
Total current year appropriations			96.13		
5340. Eagle No. 40					
500. Oct. 4, 1919					
5501. Construction and Repair, 1925			994.43		
5601. Engineering, 1925			50.45		
Total current year appropriations			1,044.88		
Appropriation purchases account, material and industrial overhead			257.23		
Grand total			1,302.11		
5343. Eagle No. 43					
500. Oct. 2, 1919					
5322. Organizing Naval Reserve Force, 1925, No. 4			56.61		
5401. Ordnance and ordnance stores, 1925					7.44
5501. Construction and Repair, 1925			162.24		
5601. Engineering, 1925					7.44
Total current year appropriations			218.85		14.88
Appropriation purchases account, material and industrial overhead			117.42		
Grand total			336.27		14.88

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
PATROL VESSELS, SUBMARINE CHASERS					
5723. Submarine chaser No. 223					
77. Dec. 5, 1917					
5501. Construction and Repair, 1925			$1,337.99		
5601. Engineering, 1925			1,045.11		
Total current year appropriations			2,383.10		
5820. Submarine chaser No. 320					
77. Dec. 1, 1917					
5501. Construction and Repair, 1925		$21.69	1,910.44		
5601. Engineering, 1925		36.52	241.37		
5704. Maintenance, Supplies and Accounts, 1925		4.60			
Total current year appropriations		62.81	2,151.81		
Appropriation purchasers account, materia land industrial overhead			1.66		
Grand total		62.81	2,153.47		
5841. Submarine chaser, No. 341					
77. Mar. 22, 1918					
5501. Construction and Repair, 1925			58.72		
Total current year appropriations			58.72		
5853. Submarine chaser, No. 353					
77. Mar. 20, 1918					
5501. Construction and Repair, 1925			785.85		
5601. Engineering, 1925			998.17		
Total current year appropriations			1,784.02		
Appropriation purchases account, material and industrial overhead			168.00		
Grand total			1,952.02		
PATROL VESSELS, CONVERTED YACHTS					
7707. Aramis					
375. Nov. 2, 1917					
5309. Instruments and supplies, 1925		1,000.00			
5501. Construction and Repair, 1925			1,391.17		
5601. Engineering, 1925			197.91		
Total current year appropriations		1,000.00	1,589.08		
Appropriation purchases account, material and industrial overhead			202.08		
Grand total		1,000.00	1,791.16		
8797. Wenonah					
470. ——					
All prior year appropriations		56.90			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, STORESHIPS					
8557. Boreas					
12,600. ——					
5309. Instruments and supplies, 1925		$75.00			
5501. Construction and Repair, 1925			$6,291.06		
5601. Engineering, 1925		25.23	391.23		
Total current year appropriations		100.23	6,682.29		
Appropriation purchases account, material and industrial overhead		2.62	539.35		
Grand total		102.85	7,221.64		
8558. Yukon					
12,600. Dec. 6, 1921					
5501. Construction and Repair, 1925					$95.18
Total current year appropriations					95.18
Appropriation purchases account, material and industrial overhead					14.01
Grand total					109.19
AUXILIARIES, COLLIERS					
8408. Neptune					
19,480. ——					
5401. Ordnance and ordnance stores, 1925			84.53		
5501. Construction and Repair, 1925			6,763.31		
5601. Engineering, 1925			1,967.62		
Total current year appropriations			8,815.46		
Appropriation purchases account, material and industrial overhead			1,248.79		
Grand total			10,064.25		
8410. Nereus					
19,080. Sept. 10, 1913					
5501. Construction and Repair, 1925			10,236.22		10.92
5601. Engineering, 1925			11,362.53		
Total current year appropriations			21,598.75		10.92
Appropriation purchases account, material and industrial overhead			3,335.48		.67
Grand total			24,934.23		11.59
8409. Proteus					
19,080. July 19, 1913					
5501. Construction and Repair, 1925			137.40	*$12.80*	
Total current year appropriations			137.40	*12.80*	
Appropriation purchases account, material and industrial overhead			8.80		
Grand total			146.20	*12.80*	
AUXILIARIES, OILERS					
8453. Arethusa					
6160. 1898					
5401. Ordnance and ordnance stores, 1925					127.54
5501. Construction and Repair, 1925			4,626.13	*8.53*	
5601. Engineering, 1925			711.41		
Total current year appropriations			5,337.54	*8.53*	127.54
Appropriation purchases account, material and industrial overhead			595.68	*.65*	17.85
Grand total			5,933.22	*9.18*	145.39

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, OILERS—continued					
4851. Kaweah					
14,450. Dec. 28, 1921					
5501. Construction and Repair, 1925			$39.99		
5601. Engineering, 1925			55.14		
Total current year appropriations			95.13		
Appropriation purchases account, material and industrial overhead			8.62		
Grand total			103.75		
4852. Laramie					
14,450. Dec. 28, 1921					
5501. Construction and Repair, 1925			4,136.76		
5601. Engineering, 1925			224.73		
Total current year appropriations			4,361.49		
Appropriation purchases account, material and industrial overhead			882.31		
Grand total			5,243.80		
4856. Rapidan					
16,800. Jan. 1, 1922					
5501. Construction and Repair, 1925			15.36		
5601. Engineering, 1925				$10.69	
Total current year appropriations			15.36	10.69	
Appropriation purchases account, material and industrial overhead				1.95	
Grand total			15.36	12.64	
4857. Salinas					
16,800. Dec. 16, 1921					
5501. Construction and Repair, 1925			107.63		
5601. Engineering, 1925			3.84	1.92	
Total current year appropriations			111.47	1.92	
Appropriation purchases account, material and industrial overhead			3.66		
Grand total			115.13	1.92	
4860. Tippicanoe					
16,800. ——					
5501. Construction and Repair, 1925				*325.00*	
Total current year appropriations				*325.00*	
4861. Trinity					
16,800. Sept. 4, 1920					
5501. Construction and Repair, 1925			1,412.04		
5601. Engineering, 1925			720.91		
Total current year appropriations			2,132.95		
Appropriation purchases account, material and industrial overhead			430.55		
Grand total			2,563.50		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, CARGO SHIPS					
1101. Bath					
6,425. ——					
5501. Construction and Repair, 1925			$3,340.29		
5601. Engineering, 1925			192.01		
Total current year appropriations			3,532.30		
Appropriation purchases account, material and industrial overhead			1,316.06		
Grand total			4,848.36		
8560. Regulus					
10,550. ——					
5501. Construction and Repair, 1925				$1,160.42	
Total current year appropriations				1,160.42	
Appropriation purchases account, material and industrial overhead					$42.46
Grand total				1,160.42	42.46
8563. Spica					
11,450. ——					
5501. Construction and Repair, 1925			7,449.86	*122.74*	
5601. Engineering, 1925			864.61	31.76	
Total current year appropriations			8,314.47	*90.98*	
Appropriation purchases account, material and industrial overhead			4,948.22	147.67	
Grand total			13,262.69	56.69	
AUXILIARIES, OCEAN TUGS					
7035. Carrabassett					
1,005. June 30, 1920					
5501. Construction and Repair, 1925				9.68	
5601. Engineering, 1925				*169.44*	
5702. Provisions, 1925		$60.00			
Total current year appropriations		60.00		*159.76*	
Appropriation purchases account, material and industrial overhead				*77.00*	
Grand total		60.00		*236.76*	
7038. Keosanqua					
969. Dec. 9, 1920					
5601. Engineering, 1925			6.54	56.63	
Total current year appropriations			6.54	56.63	
Appropriation purchases account, material and industrial overhead			2.84	13.02	
Grand total			9.38	69.65	
7679. Lykens					
1,000. Nov. 10, 1917					
5501. Construction and Repair, 1925		25.50			
5601. Engineering, 1925			104.70		
Total current year appropriations		25.50	104.70		
Appropriation purchases account, material and industrial overhead			12.50		
Grand total		25.50	117.20		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, OCEAN TUGS—continued					
7387. Piscataqua					
854. June 18, 1898					
5501. Construction and Repair, 1925			$3,452.49	$64.04	
5601. Engineering, 1925			606.48		
Total current year appropriations			4,058.97	64.04	
Appropriation purchases account, material and industrial overhead			75.16		
Grand total			4,134.13	64.04	
7017. Wando					
575. ——					
5501. Construction and Repair, 1925			856.20		
5601. Engineering, 1925			179.59		
Total current year appropriations			1,035.79		
Appropriation purchases account, material and industrial overhead			634.55		
Grand total			1,670.34		
AUXILIARIES, MINE SWEEPERS					
7519. Avocet					
950. ——					
5501. Construction and Repair, 1925			3,455.62	3.60	$164.39
5601. Engineering, 1925			973.02	308.35	185.09
Total current year appropriations			4,428.64	311.95	349.48
Appropriation purchases account, material and industrial overhead			1,246.62	271.73	95.75
Grand total			5,675.26	583.68	445.23
7517. Eider					
950. ——					
5309. Instruments and supplies, 1925					22.00
5501. Construction and Repair, 1925			2,581.00	11.24	
5601. Engineering, 1925			155.53		
Total current appropriations			2,736.53	11.24	22.00
All prior year appropriations					10.00
Appropriation purchases account, material and industrial overhead			1,917.86	5.60	
Grand total			4,654.39	16.84	32.00
7501. Lapwing					
950. June 12, 1918					
5501. Construction and Repair, 1925			1,317.93	7,084.60	
5601. Engineering, 1925			138.44	655.04	
Total current year appropriations			1,456.37	7,739.64	
All prior year appropriations					22.00
Appropriation purchases account, material and industrial overhead			461.47		
Grand total			1,917.84	7,739.64	22.00

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
AUXILIARIES, MINE SWEEPERS—contd.					
7507. Oriole					
950. Nov. 5, 1918					
5501. Construction and Repair, 1925					$2.46
5601. Engineering, 1925			$31.65		
Total current year appropriations			31.65		2.46
All prior year appropriations					12.00
Appropriation purchases account, material and industrial overhead			11.85		
Grand total			43.50		14.46
7548. Redwing					
5702. Provisions, 1925		$4.30			
Total current year appropriations		4.30			
7537. Sanderling					
950. Dec. 4, 1918					
5501. Construction and Repair, 1925			1,140.11		
5601. Engineering, 1925			246.54		
Total current year appropriations			1,386.65		
All prior year appropriations					12.00
Appropriation purchases account, material and industrial overhead			2,059.98		
Grand total			3,446.63		12.00
7518. Thrush					
950. Apr. 25, 1919					
5501. Construction and Repair, 1925			2,283.91		
5601. Engineering, 1925			196.43		
Total current year appropriations			2,480.34		
Appropriation purchases account, material and industrial overhead			2,001.05		
Grand total			4,481.39		
7513. Turkey					
950. Dec. 13, 1918					
5501. Construction and Repair, 1925			1,224.66		
5601. Engineering, 1925			189.19		
Total current year appropriations			1,413,85		
Appropriation purchases account, material and industrial overhead			1,735.22		
Grand total			3,149.07		
UNCLASSIFIED					
3710. Annapolis					
1,010. ——					
5309. Instruments and supplies, 1925					45.95
5501. Construction and Repair, 1925		40.11	4,772.62		329.40
5601. Engineering, 1925		38.92	3,050.44		207.33
5704. Maintenance, Supplies, and Accounts, 1925		1.19			
Total current year appropriations		80.22	7,823.06		582.68
Appropriation purchases account, material and industrial overhead		10.36	1,324.00		69.38
Grand total		90.58	9,147.06		652.06

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
UNCLASSIFIED—continued					
3551. Chicago					
4,500. ——					
5501. Construction and Repair, 1925				$555.43	
5601. Engineering, 1925				396.79	
Total current year appropriations				952.22	
Appropriation purchases account, material and industrial overhead				301.22	
Grand total				1,253.44	
8893. Kearsarge					
11,520. ——					
5501. Construction and Repair, 1925		$196.78	$8,385.77	*2,945.90*	
5510. Increase of the Navy (joint Construction and Repair and Engineering allotment)				5,797.85	
5601. Engineering, 1925		155.15	2,693.97	111.54	
5704. Maintenance Supplies and Accounts, 1925		35.70			
Total current year appropriations		387.63	11,079.74	2,963.49	
Appropriation purchases account, material and industrial overhead			1,361.85	383.94	
Grand total		387.63	12,441.59	3,347.43	
3757. Nantucket					
1,261. ——					
5322. Organizing Naval Reserve Force, 1925, Sub. 4				255.05	
5501. Construction and Repair, 1925		323.63	12,604.09	1,433.53	$2,547.72
5601. Engineering, 1925			1,089.26	2.00	434.91
Total current year appropriations		323.63	13,693.35	1,690.58	2,982.63
All prior year appropriations		*83.07*			
Appropriation purchases account, material and industrial overhead			1,057.22	211.61	260.91
Grand total		240.56	14,750.57	1,902.19	3,243.54
3712. Newport					
•1,010. ——					
5309. Instruments and supplies, 1925					16.00
5501. Construction and Repair, 1925			7,217.24		242.04
5601. Engineering, 1925		17.76	2,748.54		517.41
Total current year appropriations		17.76	9,965.78		775.45
Appropriation purchases account, material and industrial overhead		2.01	969.00		84.03
Grand total		19.77	10,934.78		859.48
3029. North Dakota					
20,000. ——					
5401. Ordnance and ordnance stores, 1925			1,343.55	14.60	
5501. Construction and Repair, 1925				16.30	
5601. Engineering, 1925				7.44	
Total current year appropriations			1,343.55	38.34	
Appropriation purchases account, material and industrial overhead			71.53	6.72	
Grand total			1,415.08	45.06	

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
UNCLASSIFIED—continued					
3003. Oregon					
5401. Ordnance and ordnance stores, 1925					$232.12
5501. Construction and Repair, 1925			$4,564.36		5.82
5601. Engineering, 1925			2,714.50		
Total current year appropriations			7,278.86		237.94
Appropriation purchases account, material and industrial overhead			3,795.80		26.34
Grand total			11,074.66		264.28
DISTRICT CRAFT, TUGS					
7003. Narkeeta					
5601. Engineering, 1925			927.71		
5702. Provisions, 1925		$1.05			
5708. Fuel and transportation, 1925		132.72			
Total current year appropriations		133.77	927.71		
Appropriation purchases account, material and industrial overhead	*$3,515.99*		164.47	$55.26	
Grand total	*3,515.99*	133.77	1,092.18	55.26	
7893. Tecumseh					
5601. Engineering, 1925			201.51		
Total current year appropriations			201.51		
Appropriation purchases account, material and industrial overhead			1.62		
Grand total			203.13		
7050. Tug No. 50					
5702. Provisions, 1925		61.50			
Total current year appropriations		61.50			
7054. Tug No. 54					
5601. Engineering, 1925		18.20	96.87		
Total current year appropriations		18.20	96.87		
Appropriation purchases account, material and industrial overhead			11.06		
Grand total		18.20	107.93		
7055. Tug No. 55					
5501. Construction and Repair, 1925			1,852.67	23.04	31.09
5601. Engineering, 1925			938.14	786.45	
5708. Fuel and transportation, 1925		605.74			
Total current year appropriations		605.74	2,790.81	809.49	31.09
Appropriation purchases account, material and industrial overhead			1,072.43	52.97	16.08
Grand total		605.74	3,863.24	862.46	47.17
7061. Tug No. 61					
5708. Fuel and transportation, 1925		4.79			
Total current year appropriations		4.79			
7069. Tug No. 69					
5501. Construction and Repair, 1925			711.91		
5601. Engineering, 1925			24.46		
Total current year appropriations			736.37		
Appropriation purchases account, material and industrial overhead			447.04		
Grand total			1,183.41		

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
STRICKEN FROM NAVY LIST, DELAYED CHARGES					
7538. Auk					
5601. Engineering, 1925					$29.13
Total current year appropriations					29.13
Appropriation purchases account, material and industrial overhead					8.79
Grand total					37.92
7506. Cardinal					
950. Aug. 23, 1918					
All prior year appropriations					42.00
8551. Celtic					
6,750. May 25, 1898					
All prior year appropriations					16.00
4296. Chauncey					
1,215. June 25, 1919					
5708. Fuel and transportation, 1925		$26.13			
Total current year appropriations		26.13			
All prior year appropriations					26.00
Grand total		26.13			26.00
8577. Comfort					
5501. Construction and Repair, 1925			$11.15		
Total current year appropriations			11.15		
Appropriation purchases account, material and industrial overhead			.79		
Grand total			11.94		
4044. Cummings					
5501. Construction and Repair, 1925			7.28		
Total current year appropriations			7.28		
Appropriation purchases account, material and industrial overhead			2.24		
Grand total			9.52		
3028. Delaware					
Appropriation purchases account, material and industrial overhead	$6.72				
4261. Delphy					
1,215. Nov. 30, 1918					
All prior year appropriations		1,483.62			
Appropriation purchases account, material and industrial overhead		96.00			
Grand total		1,579.62			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
STRICKEN FROM NAVY LIST, DELAYED CHARGES—continued					
4297. Fuller					
1,215. Feb. 28, 1920					
All prior year appropriations		*$269.31*			$20.00
Appropriation purchases account, material and industrial overhead		56.58			
Grand total		*212.73*			20.00
5056. N-4					
All prior year appropriations	*$826.38*	*2,933.56*			
Appropriation purchases account, material and industrial overhead	*234.37*	234.37			
Grand total	*1,060.75*	*2,699.19*			
5059. N-7					
Appropriation purchases account, material and industrial overhead	*1,095.39*	1,095.39			
4311. Nicholas					
1,215. Nov. 23, 1920					
5501. Construction and Repair, 1925			*$4.58*	*$11.65*	
5601. Engineering, 1925			*1.71*	*1.35*	
Total current year appropriations			*6.29*	*13.00*	
All prior year appropriations					3.50
Appropriation purchases account, material and industrial overhead			*.70*	*1.81*	
Grand total			*6.99*	*14.81*	3.50
5066. O-5					
——. —— (2)					
5309. Instruments and supplies., 1925		2.31			
5327. Recreation, 1925		49.70			
5401. Ordnance and ordnance stores, 1925		16.15			
5501. Construction and Repair, 1925		207.62			
5601. Engineering, 1925		207.62			
5701. Pay, Navy, 1925		1,958.55			
5702. Provisions, 1925		233.99			
5704. Maintenance, Supplies and Accounts, 1925		27.68			
5708. Fuel and transportation, 1925		267.97			
Total current year appropriations		2,971.59			
All prior year appropriations		340.85			
Appropriation purchases account, material and industrial overhead	*12,661.09*				
Grand total	*12,661.09*	3,312.44			
4022. Paulding					
5401. Ordnance and ordnance supplies, 1925					5.76
5501. Construction and Repair, 1925			10.84		96.85
5601. Engineering			90.41		3.97
5704. Maintenance, Supplies and Accounts, 1925					4.71
Total current year appropriations			101.25		111.29
3756. Quiros					
370. Mar. 14, 1900					
All prior year appropriations		18.00			
Grand total		18.00			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
STRICKEN FROM NAVY LIST, DELAYED CHARGES—continued					
3026. South Carolina					
5501. Construction and Repair, 1925			$2,340.06		
Total current year appropriations			2,340.06		
Appropriation purchases account, material and industrial overhead			11,199.85		
Grand total			13,539.91		
4310. S. P. Luce					
5601. Engineering, 1925			6.26		$12.65
Total current year appropriations			6.26		12.65
All prior year appropriations		$451.63			
Appropriation purchases account, material and industrial overhead		96.00	.70		1.49
Grand total		547.63	6.96		14.14
5801. Submarine chaser 301					
5801. Medical Department, 1925		44.96			
Total current year appropriations		44.96			
5808. Submarine chaser 308					
5702. Provisions, 1925		44.00			
Total current year appropriations		44.00			
3568. Tacoma					
3,200. Jan. 30, 1904					
All prior year appropriations		11,400.00			
Appropriation purchases account, material and industrial overhead	*$180.01*				
Grand total	*180.01*	11,400.00			
7394. Traffic					
5501. Construction and Repair, 1925			25.50		
Total current year appropriations			25.50		
3047. Washington					
5309. Instruments and supplies, 1925		138.50			
Total current year appropriations		138.50			
4309. Woodbury					
1,215. Oct. 20, 1920					
5309. Instruments and supplies, 1925					10.00
5501. Construction and Repair, 1925			*.18*		
5601. Engineering, 1925				$2.80	
Total current year appropriations			*.18*	2.80	10.00
All prior year appropriations		673.51			16.00
Grand total		673.51	*.18*	2.80	26.00
4312. Young					
1,215. Nov. 29, 1920					
All prior year appropriations		203.21			
Grand total		203.21			

Statement 3.—TOTAL FLEET MAINTENANCE AND OPERATION—Continued

VESSELS OUT OF COMMISSION—Continued

Vessel, tonnage, date commissioned, and appropriation	Title B	Title C	Title D	Title K	Title P
MISCELLANEOUS					
8971. Cattle Fleet					
Appropriation purchases account, material and industrial overhead		$34,974.94			
Grand total		34,974.94			
8253. Fish Hawk					
5701. Pay, Navy, 1925		40,589.01			
5702. Provisions, 1925		8,440.87			
Total current year appropriations		49,029.88			
Appropriation purchases account, material and industrial overhead		81.65			
Grand total		49,111.53			
8025. Kukui					
5708. Fuel and transportation, 1925		606.85			
Total current year appropriations		606.85			
8307. Light Vessel No. 47					
5327. Recreation, 1925		18.90			
Total current year appropriations		18.90			
8970. Scouting Fleet					
5702. Provisions, 1925		2,172.42			
Total current year appropriations		2,172.42			
8994. Small craft train, Pacific Fleet					
5101. Pay, miscellaneous, 1925		40.70			
5309. Instruments and supplies, 1925		16.47			
5327. Recreation, 1925		277.84			
5401. Ordnance and ordnance supplies, 1925		115.28			
5501. Construction and Repair, 1925	$1,790.18	1,527.11	$5,711.80	$37.92	$122.22
5601. Engineering, 1925	91.83	1,873.14	5,502.76		85.28
5701. Pay, Navy, 1925		52,474.22			
5702. Provisions, 1925		8,405.35			
5704. Maintenance, Supplies, and Accounts, 1925		197.61			11.71
5708. Fuel and transportation, 1925		12,338.00			
Total current year appropriations	1,882.01	77,265.72	11,214.56	37.92	219.21
All prior year appropriations	421.55	*433.59*			
Appropriation purchases account, material and industrial overhead	*1,271.33*	1,289.61	2,831.71	7.57	34.99
Grand total	1,032.23	78,121.74	14,046.27	45.49	254.20

Statement 4.—GENERAL ADMINISTRATION

	1. Miscellaneous	2. Telegrams and cablegrams	3. Telephone rental and tolls	4. Advertising	5. Care and burial of the dead	6. Transportation and travel allowance for enlisted men	7. Mileage for officers	8. Travel expense, except mileage for officers	9. Travel expense, civilian employees	10. Travel expense, female nurses
5101. Pay, miscellaneous, 1925	$62,598.51	$29,489.65	$69,505.78	$3,937.63		*$82.50*	$272,918.36	$338,368.95	$145,511.13	$7,565.35
5102. Contingent, Navy, 1925	24,278.34									
5104. Care of lepers, etc., Island of Guam, 1925	4,475.17									
5105. Experiments and research laboratory, 1925	12.34									
5117. Navy fines and forfeitures	299,457.21									
5143. State marine schools	25,000.00									
5144. Naval emergency fund	783.45									
5151. Naval emergency fund (restoration of property, vessels, etc.)	21.14									
5155. Temporary concrete office buildings, Navy and War Departments	7,949.76									
5162. Party expenses, Coast and Geodetic Survey	310.00									
5177. Contingent expenses, Navy Department, 1925	711.88									
5178. Printing and binding, Navy Department, 1925	375,000.00									
5181. Naval records of war with central powers of Europe, 1925	20,219.50									
5201. Maintenance, Bureau Yards and Docks, 1925	83,035.44		15.33		$680.75					
5203. Contingent, Bureau Yards and Docks, 1925	289.89									
5227. Navy yard, Puget Sound, Wash	80.00									
5229. Naval station, Island of Guam	9.80									
5230. Naval station, Guantanamo, Cuba	17.20									
5251. Depots for coal	15,500.00									
5270. Naval station, Tutuila, Samoa	18.20									
5280. Experimental and research laboratory	909.33									
5291. Ordnance storage	2,121.05									
5297. Improvements at ordnance stations	6.40									
5301. Contingent, Navigation, 1925	5,086.57									
5302. Transportation, Navigation, 1925	53,855.37					2,158,039.29				
5305. Gunnery and engineering exercises, 1925	7,365.87									
5309. Instruments and supplies, 1925	8,770.64									
5310. Ocean and Lake Surveys, 1925	6,970.17									
5313. Naval training station, Great Lakes, 1925	32.00									
5316. Naval Home, Philadelphia	83.43					.10				

Statement 4.—GENERAL ADMINISTRATION—Continued

	1. Miscellaneous	2. Telegrams and cablegrams	3. Telephone rental and tolls	4. Advertising	5. Care and burial of the dead	6. Transportation and travel allowance for enlisted men	7. Mileage for officers	8. Travel expense, except mileage for officers	9. Travel expense, civilian employees	10. Travel expense, female nurses
5318. Current and miscellaneous expenses, Naval Academy, 1925	$5,116.74									
5319. Maintenance and repairs, Naval Academy, 1925	*5.75*	$60.02								
5322. Organizing Naval Reserve Force, 1925	27,421.09	.43								
5327. Recreation for enlisted men, 1925	278,931.09									
5393. Contingent and miscellaneous expenses, Hydrographic Office, 1925	1,574.30									
5395. Contingent and miscellaneous expenses, Naval Observatory, 1925	100.68									
5396. Administrative expenses, World War adjusted compensation, 1925–26	22,000.00									
5401. Ordnance and ordnance stores, 1925	61,375.05									
5405. Torpedoes and appliances	1,861.96								$163.60	
5406. Experiments, ordnance, 1925	1,280.00									
5436. Navy mine depot	240.00									
5450. Increase of the Navy (ordnance)	19,173.45									
5501. Construction and Repair, 1925	143,848.56									
5510. Increase of the Navy, joint (Construction and Repair and Engineering allotment)	*7,871.78*								11.26	
5601. Engineering, 1925	149,141.95	.90								
5605. Engineering, 1925–26	3,333.06									
5701. Pay of the Navy, 1925	483,414.26									
5702. Provisions, Navy, 1925	*20,457.79*					$143.66				
5704. Maintenance, Supplies and Accounts, 1925	30,920.19									$1,855.85
5708. Fuel and transportation, 1925	13,984.70								158.08	
5716. Clothing and small stores fund	62.57									
5717. Ship's stores profits, Navy	338,945.55									
5750. Naval Supply Account fund	117.47									
5801. Medical Department, 1925	38,010.99									
5802. Contingent, Medicine and Surgery, 1925	18,307.15				$324.04					
5806. Care of the dead	*7.20*				27,460.70					
5815. Naval hospital fund	*279,065.51*									
5852. Aviation, Navy, 1925 (new aircraft and equipment)	3,657.02									

5853. Aviation, Navy, 1925 (navigational, aerological, radio, photographic, and miscellaneous equipment)	169.01									
5854. Aviation, Navy, 1925 (Maintenance and Repair)	*170,671.88*									
5855. Aviation, Navy, 1925 (experiments and developments)	8,763.76									
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)	*2,670.19*									
5857. New buildings and improvements at Pearl Harbor, Hawaii	96.00									
5991.	1,542,388.31									
Total current year appropriations	3,718,453.47	29,551.00	$69,521.11	$3,937.63	28,465.49	2,158,100.55	$272,918.36	$338,368.95	145,844.07	9,421.20
All prior year appropriations	2,018,931.37	27,967.78	13,984.15	790.42	14,441.30	275,130.76	60,234.21	124,649.54	32,469.41	1,396.94
Appropriation purchases account, material and industrial overhead	*5,283,601.62*	1,511.49	144.01		3,988.60	78.67		105.00	117.00	1,153.12
Grand total	453,783.22	59,030.27	83,649.27	4,728.05	46,895.39	2,433,309.98	333,152.57	463,123.49	178,430.48	11,971.26

Statement 4.—GENERAL ADMINISTRATION—Continued

	11. Pay of officers traveling	12. Pay and allowances of officers on duty at Navy Department	13. Pay and allowances of officers on special duty	14. Models, tests and experiments	15. Material (other than aviation issued to Marine Corps and chargeable to Navy appropriations	16. All material, naval flying unit, MacMillan polar expedition	17. Pay of retired officers (except when on active duty)	18. Pay of enlisted men (not assigned to any ship or station)	19. Pay of personnel unassigned (including pay of officers and men sick in hospital)	20. Commissions and interest
5101. Pay, miscellaneous, 1925			$18,440.84							$95.54
5105. Experimental and research laboratory, 1925				$22,517.35						
5201. Maintenance, Yards and Docks, 1925				3,563.22	$108.68					
5309. Instruments and supplies, 1925				5,363.53		$88.45				
5319. Maintenance and repairs, Naval Academy, 1925				91.37						
5322. Organizing the Naval Reserve Force, 1925	$17.50									
5401. Ordnance and ordnance stores, 1925				156,919.57	785.60					
*5450. Increase of the Navy, ordnance, 1925				101,258.98						
5501. Construction and Repairs, 1925				446,914.19	8.00					
5510. Increase of the Navy (Construction and Repair and Engineering allotment)				8,612.32						
5601. Engineering, 1925				318,211.48	1,041.46	3,223.94				
5602. Engineering experimental station, Annapolis, Md., 1925				25,869.04						
5701. Pay of the Navy, 1925	305,029.04	$2,387,142.46	914,749.39				$3,845,386.89	$1,375,630.07	$1,010.40	
5702. Provisions, Navy, 1925		7,927.80	30,172.70	4,313.82						
5704. Maintenance, Supplies and Accounts, 1925				208.65						
5853. Aviation, Navy, 1925 (navigational, aerological, radio, photographic, and and miscellaneous equipment)				12,000.00						
5854. Aviation, Navy, 1925 (maintenance and repairs)				44,863.72		11,585.34				
5855. Aviation, Navy, 1925 (experiments and development)				254,133.98						
5856. Aviation, Navy, 1925 (drafting, clerical, and messenger service)				35,290.24						
*5406. Experiments, Ordnance, 1925				154,316.38						
Total current year appropriations	305,046.54	2,395,070.26	963,362.93	1,594,447.84	1,943.74	14,897.73	3,845,386.89	1,375,630.07	1,010.40	95.54
All prior year appropriations	15,336.02	3,041.56	2,473.20	31,389.96	3,256.01		1,293.64			
Appropriation, purchases account, material and industrial overhead	7.14			1,170,295.71	75,482.99	70,864.07				
Grand total	320,389.70	2,398,111.82	965,836.13	2,796,133.51	80,682.74	85,761.80	3,846,680.53	1,375,630.07	1,010.40	95.54

	21. Exchange	22. Transportation of funds	23 Courts and boards	24. Clothing outfits	25. Care and treatment of the sick by civilians	26. Special instruction	27. Naval attachés	28. Subsistence and commuted rations of warrant officers and enlisted men not attached to ship or station	29. Inspection offices	30. Recruiting offices
5101. Pay, miscellaneous, 1925	$208. 37	$3, 569. 74	$20, 394. 67			$6, 825. 96	$87, 313. 21		$13, 710. 49	$4, 954. 00
5105. Experiments and research laboratory, 1925						48. 80				
5143. State marine schools						50, 000. 00				
5201. Maintenance, Yards and Docks, 1925			1, 025. 29				10, 030. 02		7, 131. 03	4, 510. 49
5301. Contingent, Navigation, 1925									215. 53	
5302. Transportation, Navigation, 1925						123. 66				78, 835. 91
5309. Instruments and supplies, 1925						21. 41			11, 222. 06	
5322. Organizing the Naval Reserve Force, 1925										3. 00
5401. Ordnance and ordnance stores, 1925									64, 725. 14	35. 00
5501. Construction and Repair, 1925						232. 55	1. 55		273, 459. 21	
5510. Increase of the Navy Construction and Repair, and Engineering Allotment									175. 65	
5601. Engineering, 1925			394. 72			2, 166. 05	. 21		286, 176. 24	
5701. Pay of the Navy, 1925			22, 835. 24			79, 599. 26			362, 163. 79	957, 359. 39
5702. Provisions, Navy, 1925					$1, 014. 75	27, 288. 75	39. 47	$4, 233. 55	1, 562. 13	353, 461. 51
5704. Maintenance, Supplies and Accounts, 1925							554. 69		138, 962. 70	2, 120. 48
5716. Clothing and small stores fund				$1, 293, 719. 26						
5801. Medical Department, 1925					283. 08		19. 95			3, 410. 90
5802. Contingent, Medicine and Surgery, 1925					12, 808. 74	7, 938. 89				133. 00
5815. Naval hospital fund					51, 044. 46	27, 288. 75				93. 00
5854. Aviation, Navy, 1925 (Maintenance and Repairs)									268. 47	
5855. Aviation, Navy, 1925 (Experiments and development)									221. 69	
5856. Aviation, Navy, 1925 (drafting, clerical inspection, and messenger service)									103, 485. 52	
Total current year appropriations	208. 37	3, 569. 74	44, 649. 92	1, 293, 719. 26	65, 151. 03	146, 956. 58	97, 959. 10	4, 233. 55	1, 263, 479. 65	1, 404, 916. 68
All prior year appropriations	244. 25	419. 07	1, 416. 54		14, 033. 64	5, 211. 87	4, 650. 80	700. 64	7, 353. 38	1, 482. 54
Appropriation purchases account, material and industrial overhead			95. 57	10, 017. 25	1, 714. 75	23, 223. 68			6, 072. 25	60, 959. 79
Grand total	452. 62	3, 988. 81	46, 162. 03	1, 303, 736. 51	80, 899. 42	175, 392. 13	102, 609. 90	4, 934. 19	1, 276, 905. 28	1, 467, 359. 01

Statement 4.—GENERAL ADMINISTRATION—Continued

	31. Repairs and alterations to ordnance equipage (not attributable to a specific ship) and to ordnance supplies ashore	32. Prisoners (including transportation of prisoners and guards)	33. Loss by missing survey or appraisal survey of ordnance stores ashore	34. Loss by missing survey or appraisal survey of stores ashore (other than ordnance)	35. Repairs and alterations to equipage (other than ordnance) not attributable to a specific ship and to supplies ashore (other than ordnance)	36. Honorable discharge gratuities	37. Small arms firing, regulation prizes	38. Gunnery exercise prizes other than small arms	39. Freight	40. Target rafts
5101. Pay, miscellaneous, 1925		$82,880.86			$45.91					
5117. Navy fines and forfeitures		3,812.40								
*5201. Maintenance, yards and docks, 1925					4,238.66				$3.00	
*5302. Transportation, Navigation, 1925		1,647.71				$2,134.30				
5305. Gunnery and engineering exercises, 1925							$4,556.00	$17,975.52		
*5310. Ocean and lake survey, 1925					1,263.32				29.25	
5319. Maintenance and repairs, Naval Academy, 1925					100.02					
5322. Organizing the Naval Reserve Force, 1925					6,262.37			33.22		
5395. Contingent and miscellaneous expenses, Naval Observatory					555.30					
5401. Ordnance and ordnance stores, 1925	$904,822.15		$16.00							$342,306.65
5405. Torpedoes and appliances, 1925	113,985.72									
5450. Increase of the Navy, ordnance	114,507.51									
5501. Construction and repair, 1925				$1,767.11	242,021.36					24,126.00
5510. Increase of the Navy (Construction and Repair and Engineering allotments)					6,260.94				13.55	
5601. Engineering, 1925				9,090.86	241,616.26					
5701. Pay of the Navy, 1925		272,501.01				1,339,491.01				
5702. Provisions, Navy, 1925		115,691.92		134,921.76	186.74					
5704. Maintenance, Supplies and Accounts, 1925		.32			4,902.47				1,289.079.04	
5708. Fuel and transportation, 1925					6,705.49					
5717. Ships stores profits		100.32		13,017.30						
5750. Naval Supply Account fund			448.17	1,870,678.06	9,394.68					
5801. Medical Department, 1925		77.83								
5802. Contingent, Medicine and Surgery, 1925		24.15			46.92					

*5853. Aviation, Navy, 1925 (navigational, aerological, radio, photographic, and miscellaneous equipment)					9,429.99					
5854. Aviation, Navy, 1925 (Maintenance and Repair)	8,769.73				50,240.93					
5855. Aviation, Navy, 1925 (experiments and development)					3,272.37					
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)					2,162.44					
5177. Contingent expenses, Navy Department, 1925					92.64					
*5309. Instruments and supplies, 1925				563.37	56,864.04					
5815. Naval hospital fund		39.25								
*5301. Contingent, Navigation, 1925									2.91	
Total current year appropriations	1,142,085.11	476,775.77	464.17	2,030,038.46	645,662.85	1,341,625.31	4,556.00	18,008.74	1,289,127.75	366,432.65
All prior year appropriations	291,520.10	12,402.94		114,031.60	7,880.03	6,000.00	225.00	9,857.50	589,633.30	4,500.00
Appropriation purchases account, material and industrial overhead	1,521,712.46	17,287.08	5,824,185.70	1,229,184.90	120,911.50				8,783.34	60,566.79
Grand total	2,955,317.67	506,465.79	5,824,649.87	3,373,254.96	774,454.38	1,347,625.31	4,781.00	27,866.24	1,887,544.39	431,499.44

Statement 4.—GENERAL ADMINISTRATION—Continued

	41. Naval districts (when not possible to charge to a specific district)	44. Funeral flags	50. Alterations to aircraft	51. Repairs to aircraft	52. Losses of aeronautical material	53. Operating expenses of aircraft	54. Losses due to cancellation of contracts	56. Materials issued for use as relics	57. Losses on sales	60. Losses to naval appropriations, including naval supply account funds on account of transfers to other Government departments without reimbursement
5101. Pay miscellaneous, 1925	$58.50									
5201. Maintenance, Yards and Docks, 1925						$75.19				
5309. Instruments and supplies, 1925	60.75									
5322. Organizing the Naval Reserve Force, 1925						2,608.48				
5401. Ordnance and ordnance stores, 1925	2,514.38		$54.31	$474.36		782.78				
5450. Increase of the Navy	21.58									
5501. Construction and Repair, 1925	12,692.44	$1,640.37						$107.23		
5601. Engineering, 1925	16,160.42	2.14								
5702. Provisions, Navy, 1925						49.85			$2,764.42	
5708. Fuel and transportation, 1925	21,353.13									
5750. Naval Supply Account fund							$57.77		2,933,495.41	$11,532.73
5852. Aviation, Navy, 1925 (new aircraft and equipment)			1,001.26	21,393.51		165.25				
5853. Aviation, Navy, 1925 (navigational, aerological, radio, photographic, and miscellaneous equipment)			1,400.54	603.50		1,341.32				
5854. Aviation, Navy, 1925 (Maintenance and Repairs)			105,864.21	599,917.46	$486.02	554,575.06				
5855. Aviation, Navy, 1925 (experimental and development)			58,706.19	13,317.46		1,489.33				
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)			29,381.32	1,019.41						
Total current year appropriations	52,861.20	1,642.51	196,407.83	636,725.70	486.02	561,087.26	57.77	107.23	2,936,259.83	11,532.73
All prior year appropriations	337.43		76,322.62	55,976.56		5,520.70	54,303.06			
Appropriation purchases account material and industrial overhead	5,750.31	716.98	306,559.80	1,097,838.44	5,180,854.23	639,160.78	1,203,810.23	15.34	14,291,827.98	8,013,969.48
Grand total	58,948.94	2,359.49	579,290.25	1,790,540.70	5,181,340.25	1,205,768.74	1,258,171.06	122.57	17,223,087.81	8,025,502.21

	61. Pay and allowances, of officers, and men, Naval Reserves, Class M	62. Pay and allowances, of officers, Naval Reserves, Class F	63. Pay and allowances, of officers, Naval Reserves, Class V	64. Pay of men in enlisted ratings, Naval Reserves Classes F-3, F-4, and F-5	65. Pay of men in enlisted ratings, Naval Reserves, Classes F-1 and F-2	66. Pay of men in enlisted ratings, Naval Reserves, Class V	67. Subsistence of members of the Naval Reserves, Classes F-3, F-4, and F-5	68. Subsistence of members of the Naval Reserves, Classes F-1, and F-2	69. Subsistence of members of the Naval Reserves, Class V	70. Mileage, traveling expenses, and transportation of officers and men of the Naval Reserves, Class M
5322. Organizing Naval Reserve Force, 1925	$2,111.93	$646,499.44	$73,276.11	$69,180.79	$664,357.91	$188,627.15	$8,773.07	$68,048.64	$31,283.00	$346.16
5701. Pay of the Navy, 1925	23,991.57			5,779,758.22						
5702. Provisions, Navy, 1925				447.00			26,464.80		1,007.00	
Total current year appropriations	26,103.50	646,499.44	73,276.11	5,849,386.01	664,357.91	188,627.15	35,237.87	68,048.64	32,290.00	346.16
All prior year appropriations	12,221.34	141,422.37	162.75	969,605.53	125,522.63	258.54	60.00	168.40		.65
Grand total	38,324.84	787,921.81	73,438.86	6,818,991.54	789,880.54	188,885.69	35,297.87	68,217.04	32,290.00	346.81

Statement 4.—GENERAL ADMINISTRATION—Continued

	71. Mileage and traveling expenses of officers of the Naval Reserves, Class F	72. Mileage and traveling expeness of officers of the Naval Reserves, Class V	73. Transportation of men in enlisted ratings, Naval Reserves, Classes F-3, F-4, and F-5	74. Transportation of men in enlisted ratings, Naval Reserves, Classes F-1 and F-2	75. Transportation of men in enlisted ratings, Naval Reserves, Class V	76. General administration of the Naval Reserve Force	77. Repair, maintenance, and operation of small craft used by the Naval Reserve Force	81. Expenses of First Naval District not assignable to any ship or station	82. Expenses of Third Naval District not assignable to any ship or station	83. Expenses of Fourth Naval District not assignable to any ship or station
5101. Pay, miscellaneous, 1925						$7.35		$37,632.12	$110,796.02	$13,531.29
5201. Maintenance, Yards and Docks, 1925								18,064.70	36,340.04	49,757.71
*5309. Instruments and supplies, 1925								6.46	34.20	
5322. Organizing the Naval Reserve Force, 1925	$11,646.74	$5,178.44	$21,111.93	$21,129.45	$344.98	103,936.17	$1,963.60	19,642.85	18,214.49	196.59
*5401. Ordnance and ordnance stores, 1925									5.16	
5501. Construction and repair, 1925								33,859.67	55,686.25	11,518.84
5601. Engineering, 1925								1,600.72	8,513.44	9,550.08
5701. Pay of the Navy, 1925						2,654.73		345,096.72		30,150.62
5702. Provisions, Navy, 1925								38,883.55		2,261.64
5704. Maintenance, Supplies, and Accounts, 1925									293.34	494.85
5708. Fuel and transportation, 1925								2.09	7,814.79	2,084.72
5802. Contingent, Medicine, and Surgery, 1925										1,763.08
5815. Naval hospital fund								*523.94*		
5852. Aviation, Navy, 1925 (new aircraft and equipment)								108.86		
5854. Aviation, Navy, 1924 (maintenance and repairs)								1,736.25	75.36	16,718.72
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)										5,690.27
*5203. Contingent, Yards and Docks, 1925										447.62
5302. Transportation, Navigation, 1925									167.10	
5327. Recreation for enlisted men, 1925										7,005.20
Total current year appropriations	11,646.74	5,178.44	21,111.93	21,129.45	344.98	106,598.25	1,963.60	496,110.05	237,940.19	151,171.23
All prior year appropriations	415.04	43.29	3,247.40	972.17	3.77	15,865.49	*17,161.25*		707.44	68.93
Appropriation purchases account, material and industrial overhead						367,271.00	491.30	93,755.68	42,559.86	10,679.82
Grand total	12,061.78	5,221.73	24,359.33	22,101.62	348.75	489,734.74	*14,706.35*	589,865.73	281,207.49	161,919.98

	84. Expenses of Fifth Naval District not assignable to any ship or station	85. Expenses of Sixth Naval District not assignable to any ship or station	86. Expenses of Seventh Naval District not assignable to any ship or station	87. Expenses of Eighth Naval District not assignable to any ship or station	88. Expenses of Ninth Naval District not assignable to any ship or station	89. Expenses of Eleventh Naval District not assignable to any ship or station	89. Expenses of Twelfth Naval District not assignable to any ship or station	91. Expenses of Thirteenth Naval District not assignable to any ship or station	92. Expenses of Fourteenth Naval District not assignable to any ship or station	93. Expenses of Fifteenth Naval District not assignable to any ship or station
5101. Pay, miscellaneous, 1925	$159.73	$10,102.31	$1.30	$284.02	$46,775.45	$20,875.63	$46,899.70	$13,282.24		$6,108.73
5201. Maintenance, Yards and Docks, 1925	421.20	1,245.24			3,304.27	129,217.84	9,317.87	296.52	$1,461.54	7,949.41
5309. Instruments and supplies, 1925										56.75
5310. Ocean and lake survey, 1925									*357.33*	
5322. Organizing the Naval Reserve Force, 1925	3,275.22		39.51		15,456.15	324.00	2,143.94			
5327. Recreation for enlisted men, 1925		197.97			1,799.52	2,437.74	3,718.97		1.33	
5401. Ordnance and ordnance stores, 1925		2,967.18					1,036.64		97.81	48.30
5501. Construction and Repair, 1925	1,938.81	20,569.90				2,261.50	192.31		61,801.53	315.61
5601. Engineering, 1925	30.88	971.21			7,232.64	9,883.12	50.01		19,524.52	423.88
5701. Pay of the Navy, 1925	600.00	79,538.98			79,922.24	253,524.84	63,221.82	200,841.42		148,122.27
5702. Provisions, Navy, 1925		12,626.25			11,413.75	27,887.55		65,558.40		40,982.97
5704. Maintenance, Supplies, and Accounts, 1925					6,774.20	16,673.91	39,665.96	1,112.14		12,299.08
5708. Fuel and transportation, 1925	3,255.20	1,093.60							8,256.24	4,070.35
5854. Aviation, Navy, 1925 (maintenance and repairs)								334.96		
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)						2,529.04				
Total current year appropriations	9,681.04	129,312.64	40.81	284.02	172,678.22	465,615.17	166,247.22	281,425.68	90,785.64	220,377.35
All prior year appropriations					109.11	2,698.09	*121.96*	*29.51*		2,453.41
Appropriation purchases account, material and industrial overhead	30,630.36	14,684.74			201,528.21	9,582.85	7,780.06	2,383.00	33,840.06	429.89
Grand total	40,311.40	143,997.38	40.81	284.02	374,315.54	477,896.11	173,905.32	283,779.17	124,625.70	223,260.65

Statement 4.—GENERAL ADMINISTRATION—Continued

	94. Expenses of Sixteenth Naval District not assignable to any ship or station	99. Expenses of Navy Department in Washington	100. Naval oil reserves, Wyoming, Colorado and Utah	101. Naval oil reserves, California
5101. Pay, miscellaneous, 1925	$242.57		$457.00	$495.00
5173. Salaries, offices of Secretary of the Navy, 1925-26		$975.00		
5174. Salaries, offices of Secretary of the Navy, 1925		143,900.00		
5175. Library, Navy Department, 1925		1,900.00		
5177. Contingent expenses, Navy Department, 1925		82,000.00		
5180. Salaries, office of naval records and library, 1925		24,200.00		
5183. Salaries, Office of Judge Advocate General, 1925		96,400.00		
5184. Salaries, Office of Chief of Naval Operations, 1925		65,100.00		
5185. Salaries, Office of Director of Naval Communications, 1925		126,500.00		
5186. Salaries, Office of Naval Intelligence, 1925		40,000.00		
*5188. Salaries, naval examining and retiring board, 1925		9,477.00		
5189. Salaries, compensation board, Navy Department, 1925		28,400.00		
5190. Salaries, board of inspection and survey, Navy Department, 1925		21,700.00		
5201. Maintenance, Yards and Docks, 1925	4,158.48			
5209. Salaries, Bureau of Yards and Docks, 1925		234,500.00		
5327. Recreation for enlisted men, 1925	500.00			
5387. Salaries, Bureau of Navigation, 1925		414,364.50		
5389. Salaries, Hydrographic Office, 1925		292,500.00		
5392. Salaries, Nautical Almanac Office, 1925		29,600.00		
5393. Contingent and miscellaneous expenses, Hydrographic Office, 1925		88,000.00		
5494. Salaries, Bureau of Ordnance, 1925		137,700.00		
5594. Salaries, Bureau of Construction and Repair, 1925		303,237.54		
5601. Engineering, 1925	353.35		75,752.65	1,000.75
5694. Salaries, Bureau of Engineering, 1925		274,800.00		
5701. Pay of the Navy, 1925	129,676.31			
5702. Provisions, Navy, 1925	16,564.20			
5794. Salaries, Bureau of Supplies and Accounts, 1925		812,520.31		
5825. Salaries, Bureau of Medicine and Surgery, 1925		70,800.00		
5894. Salaries, Bureau of Aeronautics, 1925		173,900.00		
*5187. Salaries, General Board, Navy Department, 1925		9,475.00		
Total, current year appropriations	151,494.91	3,481,949.35	76,209.65	1,495.75
All prior year appropriations		25,363.52		
Appropriation purchases account, material and industrial overhead	1,601.78	8.08		
Grand total	153,096.69	3,507,320.95	76,209.65	1,495.75

Statement 5.—TOTAL PROPERTY INVESTMENT OF THE NAVY

Ships:		
Hull and machinery	$1,123,678,396.35	
Armor and permanent ordnance fittings	89,235,218.16	
Batteries	88,185,284.19	
Equipage and outfits	52,396,778.80	
		$1,353,495,677.50
Stations:		
Cost of original site	2,715,911.24	
Cost of additional land	6,910,283.41	
Cost of improvements	611,030,499.81	
		620,656,694.46
Stores:		
Supplies ashore	696,245,493.58	
Supplies afloat	39,893,079.53	
Supplies in transit	12,640,048.51	
Material in process	11,284,372.74	
Total		760,062,994.36
Equipage and outfits in transit		3,462,245.17

Statement 6.—PROPERTY INVESTMENT—STORES (JULY 1, 1924, TO JUNE 30, 1925)

Classification	Balance in store	Balance in transit	Work in progress	Total balance June 30, 1925
Naval supply and account	$105,070,793.64	$2,972,344.13	$1,773,318.96	$109,816,456.73
Appropriation purchases account	563,694,858.93	8,412,488.48	8,416,901.56	580,524,248.97
Reserve material (Navy) account	1,298,778.17	10,817.85		1,309,596.02
Naval petrolcum reserve account	2,638,890.07			2,638,890.07
Clothing and small stores account	27,383,158.43	1,244,398.05	1,094,152.22	29,721,708.70
Medical stores	2,764,124.88			2,764,124.88
Marine Corps stores	33,287,968.99			33,287,968.99
Total	736,138,573.11	12,640,048.51	11,284,372.74	760,062,994.36

Statement 7.—TOTAL STORES OPERATIONS AND BALANCES

Classification	Receipts		Expenditures		Balances June 30, 1925
	New and reclaimed material	Transfers	Final and to manufacture	Transfers	
Naval supply account	$82,799,425.52	$3,085,366.09	$90,582,580.22	$1,039,297.51	$109,816,456.73
Appropriation purchases account	69,588,892.87	971,898.81	93,368,271.23	2,846,054.09	580,524,248.97
Reserve material (Navy) account	23,324.37		43,137.26	16,948.42	1,309,596.02
Naval petroleum reserve account	648,412.99				2,638,890.07
Clothing and small stores account	9,571,535.62	69,227.59	12,188,894.51	224,067.74	29,721,708.70
Medical stores	760,954.55		1,067,280.31		2,764,124.88
Marine Corps stores					33,287,968.99
Total	163,392,545.92	4,126,492.49	197,250,163.53	4,126,367.76	760,062,994.36

Statement 8.—TOTAL STORES—BALANCES BY CLASSES, JUNE 30, 1925

	Classification	Naval petroleum reserve account	Naval supply account	Appropriation purchases account	Reserve material (Navy) account	Clothing and small stores account	Medical stores	Marine Corps	Total
1	Guns, range finders, etc			$112,531,068.87					$112,531,068.87
2	Arms, equipments, etc			29,966,440.00					29,966,440.00
3	Mines, torpedoes, etc			83,401,389.47					83,401,389.47
4	Ammunition and ammunition details			211,408,404.68					211,408,404.68
5	Flags and bunting		$1,250,866.87	76,270.27					1,327,137.14
6	Anchors, anchor chains, etc		1,895,185.02	1,299,156.96					3,194,341.98
7	Fuel	$2,638,890.07	9,062,071.58	815,840.06					12,516,801.71
9	Boats and appurtenances		1,463,039.36	1,351,505.57					2,814,544.93
10	Boilers and engines (boat)		2,053,426.50	744,717.72					2,798,144.22
11	Pumps and their parts		891,503.99	1,652,107.59	$41,814.28				2,585,425.86
12	Boat and ship fittings		2,441,999.79	1,704,917.00					4,146,916.79
13	Engine and fireroom fittings		740,446.53	255,256.59					995,703.12
14	Oil, greases, and all lubricants		332,360.20	34,932.55					367,292.75
15	Electric cable, insulated wire, etc		2,619,565.22	339,243.93					2,958,809.15
16	Radio apparatus and outfits		3,014,411.45	3,193,929.71	2,688.00				6,211,029.16
17	Electric apparatus outfits		8,681,468.27	4,474,296.82	848,063.89				14,003,828.98
18	Instruments of precision		2,291,253.10	3,050,635.65	2,368.85				5,344,257.60
19	Locks, riggings, accessories		1,010,733.56	458,355.82					1,469,089.38
20	Submarine apparatus and accessories and parts		2,742,748.81	1,470,116.67	686.00				4,213,551.48
21	Cordage, hemp, twine, etc		1,270,839.03	137,205.05					1,408,044.08
22	Rope, wire, bare and manufactured		1,211,487.79	828,979.95					2,040,467.74
23	Boat and ship utensils		1,520,645.01	956,504.46					2,477,149.47
24	Canvas, including manufactured articles		1,023,268.91	551,894.63					1,575,163.54
26	Furniture		356,130.13	953,238.85					1,309,368.98
27	Dry goods, bedding, textile, etc		1,129,776.52	119,666.12					1,249,442.64
28	Blank forms			204,464.66					204,464.66
30	Bathroom and toilet fixtures		301,592.80	85,551.43					387,144.23
31	Lightning apparatus (nonelectric)		314,949.55	77,231.90					392,181.45
32	Fire-surfacing and heat-insulating material		540,347.75	50,944.49					591,292.24
33	Gaskets, packing, rubber, etc		745,935.80	40,862.54					786,798.34
34	Hose, heather, belting, etc		609,680.00	193,715.33					803,395.33
35	Books, periodicals, etc		117,311.97	130,632.75					247,944.72
36	Musical instruments		23,772.40	15,566.75					39,339.15
37	Athletic apparatus		316,357.42	402,017.23					718,374.65
38	Brooms and brushes		245,732.83	8,937.89					254,670.72
39	Lumber and timber		1,489,506.22	482,225.64					1,971,731.86
40	Tools, machines, outfits, and parts		1,932,960.92	3,644,312.98	2,320.00				5,579,593.90
41	Tools, hand		2,682,095.90	404,382.60					3,086,478.50
42	Hardware		1,574,685.66	359,538.78					1,934,224.44
43	Bolts, nuts, rivets, and washers		1,332,560.08	915,709 34					2,248,269.42
44	Pipes, tubes, and tubing		2,966,655.40	1,337,948.17	12,925.28				4,317,528.85

Statement 8.—TOTAL STORES—BALANCES BY CLASSES, JUNE 30, 1925—Continued

	Classification	Naval petroleum reserve account	Naval supply account	Appropriation purchases account	Reserve material (Navy) account	Clothing and small stores account	Medical stores	Marine Corps	Total
45	Pipe fittings		$2,801,691.08	$859,225.37					$3,660,916.45
46	Metals in bars		4,906,086.83	7,331,388.22	$85,872.10				12,323,347.15
47	Metals in plates and sheets		2,873,831.84	2,011,592.17					4,885,424.01
48	Shapes, metal, angles, channels, etc		465,699.27	450,000.82					915,700.09
49	Aeronautic material		6,205.73	32,072,080.08					32,078,285.81
50	Foundry apparatus, etc		269,931.94	59,389.06					329,321.00
51	Acids, chemicals, soap, etc		506,958.26	3,293,990.79					3,800,949.05
52	Paints and paint ingredients		2,455,001.48	64,830.16					2,519,831.64
53	Stationery and drafting supplies		1,181,410.13	41,606.00					1,223,016.13
54	Office equipment		245,020.18	175,711.62					420,731.80
55	Clothing and small stores		7,776.31	60,392.84		$27,383,158.43			27,451,327.58
56	Provisions, groceries, etc		7,343,192.94	*6,933.21*					7,336,259.73
57	Medical and surgical apparatus		100,123.15	55,184.07	2,508.50		$2,764,124.88		2,921,940.60
58	Navy yard appliances, livestock, etc		383,126.23	1,702,974.17					2,086,100.40
59	Building material		148,196.41	70,953.86					219,150.27
60	Boilers and engines, ships		2,058,329.04	4,675,235.42	153,985.58				6,887,550.04
61	Power-driven appliances, ships'		785,110.98	1,220,779.68	145,226.49				2,151,117.15
62	Officers' mess gear		311,236.58	173,306.83					484,543.41
63	Crews' mess gear		293,123.45	6,061.53					299,184.98
64	Galley and laundry apparatus		950,874.14	374,228.10	319.20				1,325,421.44
65	Miscellaneous articles		460,306.39	4,511,440.86					4,971,747.25
66	Ships' stores supplies		296,346.49	99,366.58					395,713.07
67	Special construction stores		771,297.18	629,597.10					1,400,894.28
68	Special stores		6,713.72	135.50					6,849.22
70	Condemned stores		81,586.81	719,210.81					800,797.62
72	Material not in custody of supply officers		11,707.41	*25.83*					11,681.58
73	Material segregated for survey and distribution		23,186.26						23,186.26
80	Special stores		100,762.97	6,027.23					106,790.20
81	do		45,787.29	170,812.49					216,599.78
82	do		45,372.16	21,373.78					66,745.94
84	Property accounting section and submarine bases		1,446,570.30	6,314,119.72					7,760,690.02
85	Board of survey, appraisal, and sale		*57,067.09*						*57,067.09*
	Marine Corps stores							$33,287,968.99	33,287,968.99
	Stores on hand, afloat:								
	Supply officer		11,547,925.44	2,544,722.37					14,092,647.81
	Gunnery officer			23,855,963.27					23,855,963.27
	Total in store	$2,638,890.07	105,070,793.64	563,694,858.93	1,298,778.17	27,383,158.43	2,764,124.88	33,287,968.99	736,138,573.11
	Stores in transit		2,972,344.13	8,412,488.48	10,817.85	1,244,398.05			12,640,048.51
	Manufacturing (process)		1,773,318.96	8,416,901.56		1,094,152.22			11,284,372.74
	Grand total	2,638,890.07	109,816,456.73	580,524,248.97	1,309,596.02	29,721,708.70	2,764,124.88	33,287,968.99	760,062,994.36

Statement 9.—NAVAL SUPPLY ACCOUNT, AFLOAT AND ASHORE

[July 1, 1924, to June 30, 1925]

On hand July 1, 1924		$113,780,223.89
Received:		
From open purchase	$22,007,164.36	
From contracts	41,123,492.53	
Equipage and supplies included in the cost of new ships	1,481,138.52	
From other Government departments (reimbursable)	*135,340.15*	
From manufacture	17,792,914.98	
Gain by Inventory	443,244.39	
Ration records	86,810.89	
New and reclaimed material		82,799,425.52
From appropriation purchases account	2,845,985.69	
From reserve material, Navy account	16,948.42	
From clothing and small stores account	222,431.98	
Transfers between accounts		3,085,366.09
Total		199,665,015.50
Expended:		
For use and to manufacturing account on report of expenditures	30,142,845.81	
To ships, title "C" and on miscellaneous invoices	46,774,411.34	
Fuel for officers	178,988.97	
To equipage account	6,307,211.97	
Transfers without reimbursement	11,532.73	
Against profits, commissary stores	63,290.43	
By reduced prices	720,467.53	
By appraisal	1,084,856.71	
By sale	5,298,974.73	
Final expenditures and to manufacturing account		90,582,580.22
To appropriation purchases account	970,519.78	
To clothing and small stores account	68,777.73	
Transfers between accounts		1,039,297.51
On hand June 30, 1925		108,043,137.77
Total		199,665,015.50

ANALYSIS OF BALANCES

	July 1, 1924	June 30, 1925
Portsmouth (N. H.) Navy Yard	$3,678,761.94	$3,191,479.96
Portsmouth (N. H.) Naval Prison	3,357.37	3,379.47
Boston (Mass.) Navy Yard	6,782,380.20	6,194,968.23
New London (Conn.) Submarine Base	367,855.41	519,889.03
Newport (R. I.) Naval Torpedo Station	485,394.68	457,905.80
Newport (R. I.) Naval Training Station	220,005.30	237,746.78
Melville (R. I.) Naval Fuel Station	592,781.33	523,498.29
Baldwin (L. I.) Naval Ordnance Plant		1,335.59
New York (N. Y.) Navy Yard	9,579,624.96	7,996,729.81
South Brooklyn (N. Y.) Naval Supply Depot	8,613,625.48	8,187,262.12
Iona Island (N. Y.) Naval Ammunition Depot	25,785.38	36,414.02
Philadelphia (Pa.) Navy Yard	10,099,178.06	8,193,110.57
Philadelphia (Pa.) Naval Aircraft Factory	64,700.33	40.00
Fort Mifflin (Pa.) Naval Ammunition Depot	17,242.51	15,353.21
Dover (N. J.) Naval Ammunition Depot	62,124.82	14,188.90
Lakehurst (N. J.) Naval Air Station	53,477.01	68,853.77
Annapolis (Md.) Naval Academy	181,110.22	166,587.48
Indianhead (Md.) Naval Powder Factory	666,517.70	294,191.79
Washington (D. C.) Navy Yard	3,397,493.83	2,924,487.96
Washington (D. C.) Property Accounting Section	279,834.56	557,260.14
Washington (D. C.) Naval Observatory	1,123,547.28	1,088,699.60
Washington (D. C.) Board of Survey, Appraisal and Sale	*849,139.85*	*57,067.09*
Anacostia (D. C.) Naval Air Station	1,631.26	1,487.74
Bellevue, Anacostia (D. C.) Naval Research Laboratory		1,537.07
Dalgren (Va.) Naval Proving Ground		172,380.46
Norfolk (Va.) Navy Yard	9,663,560.14	8,020,783.08
St. Juliens Creek (Va.) Naval Ammunition Depot	2,279.09	5,241.13
Hampton Roads (Va.) Naval Supply Station	8,631,727.39	9,752,169.85
Hampton Roads (Va.) Naval Training Station	17,388.90	12,474.60
Hampton Roads (Va.) Submarine Base	33,017.94	
Hampton Roads (Va.) Naval Air Station	30.01	20.89
Yorktown (Va.) Navy Mine Depot	40,891.40	45,515.17
South Charleston (W. Va.) Naval Ordnance Plant	852,067.01	533,901.31
Parris Island (S. C.) Naval Prison	18,268.55	20,960.82
Charleston (S. C.) Navy Yard	1,744,128.03	1,573,857.95
Key West (Fla.) Naval Station	334,105.03	266,508.96
Pensacola (Fla.) Naval Air Station	272,820.02	175,463.25
New Orleans (La.) Naval Station	81,804.23	54,156.68
Great Lakes (Ill.) Naval Training Station	346,599.77	297,098.65
San Diego (Calif.) Naval Air Station	97,452.99	81,311.82

Statement 9.—NAVAL SUPPLY ACCOUNT, AFLOAT AND ASHORE—Continued

ANALYSIS OF BALANCES—Continued

	July 1, 1924	June 30, 1925
San Diego (Calif.) Naval Supply Depot	$1,463,239.58	$1,369,798.64
San Diego (Calif.) Destroyer Base	157,106.46	68,169.99
San Diego (Calif.) Naval Training Station	11,194.57	7,306.72
Mare Island (Calif.) Navy Yard	10,294,622.26	9,483,291.05
Mare Island (Calif.) Naval Prison	490.16	272.69
Mare Island (Calif.) Yard Barracks	3,343.30	5,166.98
Puget Sound (Wash.) Navy Yard	6,839,426.00	6,823,403.45
Keyport (Wash.) Naval Torpedo Station	1,522.28	1,754.43
Sitka (Alaska) Naval Fuel Station	1,493.80	1,920.60
Balboa (Canal Zone) Fifteenth Naval District	699,417.87	892,600.62
Guantanamo (Cuba) Naval Station	439,291.75	689,261.39
Olongapo (P. I.) Naval Station	153,694.95	131,573.82
Cavite (P. I.) Naval Station	4,314,549.94	4,164,651.11
Cavite (P. I.) Submarine Base	172,762.26	64,469.82
Pearl Harbor (Hawaii) Naval Station	3,268,276.51	3,073,440.36
Pearl Harbor (Hawaii) Submarine Base	626,127.02	685,404.03
Pearl Harbor (Hawaii) Naval Air Station	18,427.27	17,778.85
Tutuila (Samoa) Naval Station	97,023.64	121,065.29
St. Thomas (Virgin Islands) Naval Station	104,991.83	87,894.64
Guam (Marianas Island) Naval Station	308,840.80	282,890.64
Coco Solo (Canal Zone) Naval Air Station	24,620.03	24,895.86
Coco Solo (Canal Zone) Submarine Base	947,533.18	856,770.91
Santo Domingo (Dominican Republic) military government	16,272.09	----------
Port au Prinz (Haiti) Navy Pay Office	3,559.79	3,236.11
Pichilinque Bay (Mexico) Naval Fuel Station	567.72	----------
San Juan (P. R.) Naval Radio Station	6,410.41	5,339.37
General supply system ships	11,350,956.37	13,492,393.89
Commissary stores	299,854.48	299,043.87
Ships' stores	657,109.75	785,813.65
Shipments between stations in transit	3,914,067.54	2,972,344.13
Total	113,780,223.89	108,043,137.77
Decrease in balances	----------	5,737,086.12

Statement 10.—COMMISSARY STORES—OPERATIONS

[Stock carried in naval supply account, July 1, 1924, to June 30, 1925]

Balance on hand July 1, 1924		$299,854.48
Received:		
By purchase	$1,677,187.08	
By transfer under naval supply account	1,196,215.07	
By transfer from clothing and small stores	44,655.32	
From appropriation purchases account	586.50	
		2,918,643.97
Total		3,218,498.45
Expended:		
Equipment and supplies for use	51,544.17	
Condemned by survey	11,746.26	
By transfer under naval supply account	247,132.30	
To clothing and small stores account	2,081.94	
Miscellaneous	15,992.14	
Cost of goods sold	2,590,957.77	
Value of stock on hand June 30, 1925		2,919,454.58
		299,043.87
Total		3,218,498.45
Net sales	2,680,344.97	
Cost of goods sold	2,590,957.77	
Gross profit		89,387.20
Expenses:		
Equipment and supplies	51,544.17	
Condemned by survey	11,746.26	
		63,290 43
Net profit earned during period July 1, 1924, to June 30, 1925		26,096.77
Net profit carried forward July 1, 1924		7,608.65
Net profit available for subsequent expenses		33,705.42

Statement 11.—SHIPS' STORES—OPERATIONS

[Stock carried in naval supply account July 1, 1924, to June 30, 1925]

Stock on hand July 1, 1924		$657,109.75
Received:		
By purchase and transfer under naval supply account	$2,761,166.22	
By transfer from clothing and small stores	7,076.33	
		2,768,242.55
Total		3,425,352.30
Expended:		
By survey	13,017.30	
Issued for crews' entertainment	43,563.47	
Transfers to clothing and small stores	7,612.00	
Cost of goods sold	2,574,918.48	
Miscellaneous	427.40	
		2,639,538.65
Stock on hand June 30, 1925		785,813.65
Total		3,425,352.30
Cash received from sales		2,920,145.22
Cost of goods sold		2,574,918.48
Gross profit earned July 1, 1924, to June 30, 1925		345,226.74

Statement 12.—APPROPRIATION PURCHASES ACCOUNT, AFLOAT AND ASHORE

[July 1, 1924, to June 30, 1925]

On hand July 1, 1924		$597,760,881.05
Received:		
From open purchase	$3,982,795.85	
From contracts	14,091,662.75	
Equipage and supplies included in cost of new ships	*450,863.54*	
From other Government departments (reimbursable)	779,439.50	
From other Government departments (without reimbursement)	520,180.14	
From manufacture	20,390,640.42	
From Navy cost inspectors	66,385.75	
Miscellaneous material returned to store	26,382,689.32	
From gain by inventory	3,825,962.68	
New and reclaimed material		69,588,892.87
From naval supply account	970,519.78	
Clothing and small stores	1,379.03	
Transfers between accounts		971,898.81
Total		668,321,672.73
Expended:		
For use and to manufacturing account on report of expenditures	23,330,114.76	
To ships, Title "C" and on miscellaneous invoices	6,102,502.80	
Transfers to other Government departments (without reimbursements)	8,021,630.95	
To equipage account	31,848,490.93	
By sale	13,444,528.13	
By appraisal	9,530,606.66	
By price adjustment	1,090,397.00	
Final expenditures and to manufacturing account		93,368,271.23
To naval supply account	2,845,985.69	
To clothing and small stores	68.40	
Transfers between accounts		2,846,054.09
On hand June 30, 1925		572,107,347.41
Total		668,321,672.73

Statement 12.—APPROPRIATION PURCHASES ACCOUNT, AFLOAT AND ASHORE—Continued

ANALYSIS OF BALANCES

	July 1, 1924	June 30, 1925
Portsmouth (N. H.) Navy Yard	$3, 562, 109. 26	$3, 059, 488. 24
Boston (Mass.) Navy Yard	4, 034, 216. 59	3, 888, 803. 26
Hingham (Mass.) Naval Ammunition Depot	39, 126, 716. 79	38, 806, 941. 51
Newport (R. I.) Naval Torpedo Station	22, 522, 785. 20	24, 438, 419. 62
Newport (R. I.) Naval Training Station	232, 581. 46	226, 854. 70
New London (Conn.) Naval Ammunition Depot	2, 815, 888. 79	2, 776, 521. 58
New London (Conn.) Submarine Base	1, 116, 807. 71	1, 050, 510. 24
New York (N. Y.)Navy Yard	8, 551, 887. 88	9, 206, 928. 72
Brooklyn (N. Y) Navy Supply Depot	915, 186. 35	640, 754. 08
Iona Island (N. Y.) Naval Ammunition Depot	9, 500, 102. 16	9, 918, 512. 01
Baldwin (N. Y.) Naval Ordnance Plant	414, 716. 75	451, 325. 37
Philadelphia (Pa.) Navy Yard	26, 770, 645. 93	23, 702, 925. 51
Philadelphia (Pa.) Naval Aircraft Factory	26, 966, 454. 73	23, 664, 451. 55
Fort Mifflin (Pa.) Naval Ammunition Depot	33, 563, 868. 83	31, 932, 544. 99
Dover (N. J.) Naval Ammunition Depot	83, 464, 483. 37	83, 401, 414. 37
Lakehurst (N. J.) Naval Air Station	2, 701, 032. 49	1, 399, 093. 47
Annapolis (Md.) Naval Academy	1, 061, 403. 29	1, 060, 497. 59
Indianhead (Md.) Naval Powder Factory	6, 542, 831. 37	4, 971, 870. 41
Washington (D. C.) Navy Yard	69, 886, 433. 67	70, 273, 575. 05
Washington (D. C.) Property Accounting Section	12, 591, 057. 63	5, 110, 572. 55
Washington (D. C.) Naval Observatory	860, 654. 76	962, 164. 06
Anacostia (D. C.) Naval Air Station	1, 476, 559. 28	274, 501. 95
Dalgren (Va.) Naval Proving Ground		2, 309, 690. 57
Quantico (Va.) Marine Aviation Detachment	2, 118, 458. 68	1, 936, 712. 86
Norfolk (Va.) Navy Yard	11, 226, 224. 49	9, 971, 253. 12
St. Juliens Creek (Va.) Naval Ammunition Depot	42, 361, 374. 68	41, 551, 443. 15
Hampton Roads (Va.) Naval Air Station	370, 033. 08	585, 225. 13
Hampton Roads (Va.) Submarine Base	901, 649. 78	
Hampton Roads (Va.) Naval Supply Station	9, 358, 132. 99	14, 194, 393. 90
Yorktown (Va.) Navy Mine Depot	16, 585, 200. 90	16, 453, 272. 99
South Charleston (W. Va.) Naval Ordnance Plant	15, 054, 190. 25	14, 601, 573. 06
Charleston (S. C.) Navy Yard	394, 435. 13	450, 933. 35
Parris Island (S. C.) Naval Prison	1, 658. 23	216. 43
Key West (Fla.) Naval Station	156, 647. 04	135, 903. 35
Pensacola (Fla.) Naval Air Station	6, 595, 066. 50	5, 845, 883. 84
New Orleans (La.) Naval Station	12, 591. 58	16, 213. 73
Great Lakes (Ill.) Naval Training Station	46, 169. 51	94, 242. 16
Fort Worth (Tex.) Naval Helium Plant	337, 806. 00	
San Diego (Calif.) Naval Supply Depot	200, 236. 65	85, 721. 08
San Diego (Calif.) Naval Air Station	5, 058, 504. 08	5, 810, 620. 57
San Diego (Calif.) Destroyer Base	9, 824, 603. 58	8, 843, 460. 67
San Diego (Calif.) Marine Aviation Detachment	483, 906. 37	375, 820. 15
Mare Island (Calif.) Navy Yard	13, 735, 884. 77	13, 444, 704. 52
Mare Island (Calif.) Naval Ammunition Depot	17, 534, 066. 98	17, 754, 066. 82
Puget Sound (Wash.) Navy Yard	24, 963, 801. 97	26, 092, 745. 27
Balboa (Canal Zone) Fifteenth Naval District	9, 737. 45	7, 331. 30
Guantanamo (Cuba) Naval Station	37, 835. 77	18, 473. 21
Olongapo (P. I.) Naval Station	72, 172. 29	88, 146. 67
Cavite (P. I.) Naval Station	3, 261, 858. 62	3, 752, 893. 21
Cavite (P. I.) Submarine Base	1, 771, 339. 45	1, 936, 734. 16
Tutuila (Samoa) Naval Station	8, 154. 56	16, 393. 26
St. Thomas (Virgin Islands) Naval Station	5, 874. 89	17, 570. 70
Guam (Marianas Islands) Marine Aviation Detachment	396, 040. 65	421, 634. 67
Guam (Marianas Islands) Naval Station	32, 311. 48	15, 880. 65
Pearl Harbor (Hawaii) Naval Station	5, 881, 202. 47	6, 376, 710. 11
Pearl Harbor (Hawaii) Submarine Base	647, 450. 89	689, 385. 22
Pearl Harbor (Hawaii) Naval Air Station	259, 181. 72	1, 105, 647. 19
Coco Solo (Canal Zone) Naval Air Station	89, 062. 87	92, 126. 39
Coco Solo (Canal Zone) Submarine Base	269, 055. 51	153, 036. 93
Santo Domingo (Dominican Republic) military government	810. 56	
San Juan (P. R.) Radio Station	330. 34	1, 098. 36
Port au Prinz (Haiti) Marine Aviation Detachment	671, 735. 67	822, 860. 06
Port au Prinz (Haiti) Navy Pay Office	3, 046. 85	2, 883. 65
London (England) naval attache's office	2, 600. 00	2, 600. 00
Naval vessels (supply officers)	2, 654, 753. 90	2, 544, 722. 37
Naval vessels (gunnery officers)	23, 273, 776. 65	23, 855, 963. 27
Shipments between stations in transit	22, 413, 480. 93	8, 412, 488. 48
Total on hand	597, 760, 881. 05	572, 107, 347. 41
Decrease in balances		25, 653, 533. 64

Statement 13.—RESERVE MATERIAL, NAVY ACCOUNT

[July 1, 1924, to June 30, 1925]

On hand July 1, 1924		$1,346,357.33
Received:		
From inventory	$23,324.37	
New and reclaimed material		23,324.37
Total		1,369,681.70
Expended:		
By survey	2,467.00	
By sale	38,403.99	
By inventory	2,266.27	
Final expenditures		43,137.26
To naval supply account	16,948.42	
Transfers between accounts		16,948.42
On hand June 30, 1925		1,309,596.02
Total		1,369,681.70

ANALYSIS OF BALANCES

	July 1, 1924	June 30, 1925
Portsmouth (N. H.) Navy Yard	$65,012.50	$65,012.50
Boston (Mass.) Navy Yard	15,035.72	11,364.92
Brooklyn (N. Y.) Navy Supply Depot	471,956.19	477,716.19
New York (N. Y.) Navy Yard	279,460.72	247,490.43
Philadelphia (Pa.) Navy Yard	272,584.39	270,954.39
Washington (D. C.) Naval Observatory	151.54	151.54
Norfolk (Va.) Navy Yard	102,950.29	109,931.28
Mare Island (Calif.) Navy Yard	80,093.69	58,137.73
Puget Sound (Wash.) Navy Yard	55,761.63	55,027.13
Pearl Harbor (Hawaii) Naval Station	3,350.66	2,992.06
Shipments between stations in transit		10,817.85
Total on hand	1,346,357.33	1,309,596.02
Decrease in balance		36,761.31

Statement 14.—NAVAL PETROLEUM RESERVE ACCOUNT

[July 1, 1924, to June 30, 1925]

Balance on hand July 1, 1924		$1,990,477.08
Received:		
From inventory	$648,412.99	
New material		648,412.99
Total		2,638,890.07
Expended:		
None		
Balance on hand June 30, 1925		2,638,890.07
Total		2,638,890.07

Statement 15.—CLOTHING AND SMALL STORES ACCOUNT

[July 1, 1924, to June 30, 1925]

Balance July 1, 1924:		
At navy yards and stations	$26,183,153.20	
On board ships	2,750,285.77	
In transit	2,466,316.55	$31,399,755.52
Received:		
From purchase	4,486,986.05	
From other Government departments	873.15	
From United States Marine Corps	2,524.59	
From manufacture	4,757,531.27	
Gain on inventory	22,111.77	
Gain by adjustment of prices	295,914.88	
Miscellaneous receipts	5,593.91	
New material		9,571,535.62
From naval supply account	69,227.59	
Transfers between accounts		69,227.59
Total		41,040,518.73

Statement 15.—CLOTHING AND SMALL STORES ACCOUNT—Contd.

Expended:		
Issued to officers and enlisted men, Navy and Marine Corps	$3,652,409.18	
Issued to prisons and prisoners	16,339.91	
Issued to Naval Reserve Force	359,817.64	
Issued to members of Nurse Corps	7,858.17	
Issued to discharged men (civilian outfits)	158.55	
Issued on claims, account of marine disaster	444.09	
Sales for cash	566,815.34	
To naval hospitals	1,087.10	
To Marine Corps	2,128.70	
To other Government departments (reimbursable)	740,085.59	
To other Government departments (without reimbursement)	17,762.25	
To manufacture	4,224,456.30	
To adjustment of accounts	620,764.96	
To surplus sales (without reimbursement)	800,628.61	
By survey (loss)	151,410.90	
Condemned to be sold	1,020,440.34	
Miscellaneous expenditure	2,924.35	
For testing and use	3,362.53	
Final expenditures		$12,188,894.51
To naval supply account (reimbursable)		224,067.74
Balance June 30, 1925—		
At navy yards and stations	24,654,431.90	
On board ships	2,728,726.53	
In transit	1,244,398.05	
		28,627,556.48
Total		41,040,518.73
Balance June 30, 1924		31,399,755.52
Balance June 30, 1925		28,627,556.48
Decrease		2,772,199.00

Statement 16.—MEDICAL STORES

[July 1, 1924, to June 30, 1925]

Balance on hand July 1, 1924		$3,070,450.64
Receipts:		
From purchase	$663,664.54	
From naval supply account fund	8,285.73	
From other Government departments	8,324.42	
From material returned to store	72,051.74	
From reclaimed material	8,377.04	
From gain by inventory	251.08	
		760,954.55
Total		3,831,405.19
Expenditures:		
To ships	238,259.79	
To stations	243,959.42	
To hospitals and hospital ships	344,593.22	
To other Government departments	6,016.07	
To depot for test	420.11	
To depot for use	8,814.86	
To survey	63,426.29	
To transfer between supply depots	57,300.19	
To sale, surplus	104,196.00	
To loss by inventory	294.36	
		1,067,280.31
Balance on hand June 30, 1925		2,764,124.88
Total		3,831,405.19
Balance July 1, 1924		3,070,450.64
Balance June 30 1925		2,764,124.88
Decrease		306,325.76

Statement 17.—MANUFACTURING ACCOUNT

	Naval supply account	Appropriation purchases account	Clothing account	Total
RECEIPTS				
Balance July 1, 1924	$1,772,071.36	$11,250,838.78	$493,797.79	$13,516,707.93
Labor, overhead and material	17,794,162.58	17,556,703.20	5,357,885.70	40,708,751.48
Total	19,566,233.94	28,807,541.98	5,851,683.49	54,225,459.41
EXPENDITURES				
Completed work	17,792,914.98	20,390,640.42	4,757,531.27	42,941,086.67
Balance June 30, 1925	1,773,318.96	8,416,901.56	1,094,152.22	11,284,372.74
Total	19,566,233.94	28,807,541.98	5,851,683.49	54,225,459.41
Work on progress July 1, 1924				13,516,707.93
Work in progress June 30, 1925				11,284,372.74
Decrease				2,232,335.19

Statement 18.—MARINE CORPS STORES

[July 1, 1924, to June 30, 1925]

	Clothing	Public property	Total
RECEIPTS			
Balance on hand July 1, 1924	$9,598,616.00	$22,202,853.00	$31,801,469.00
Property manufactured, received by purchase and transferred from Army or Navy	1,241,136.00	1,918,325.00	3,159,461.00
Property taken up by certificates	41,876.00	508,130.00	550,006.00
Increase due to changes of prices	451,009.00	4,899,319.50	5,350,328.50
Total	11,332,637.00	29,528,627.50	40,861,264.50
EXPENDITURES			
By issue to enlisted men	1,065,451.00		1,065,451.00
Sold, transferred to Army or Navy and charged to enlisted men	101,456.00	289,540.00	390,996.00
For use		1,573,978.00	1,573,978.00
Condemned by survey	531,922.00	818,693.00	1,350,615.00
Decrease due to changes of prices	659,558.51	8,915.00	668,473.51
By adjustment	2,523,782.00		2,523,782.00
Balance June 30, 1925	6,450,467.49	26,837,501.50	33,287,968.99
Total	11,332,637.00	29,528,627.50	40,861,264.50
Balance July 1, 1924			31,801,469.00
Balance June 30, 1925			33,287,968.99
Increase			1,486,499.99

Statement 19.—EQUIPAGE ACCOUNTS, AFLOAT

[Title B, excepting medical and Marine Corps stores]

	Navigation	Ordnance	Construction and Repair	Engineering	Supplies and Accounts	Yards and Docks	Aeronautics	Total received	Grand total
Balance July 1, 1924	$2,294,426.17	$75,268,140.00	$19,901,252.98	$11,761,562.62	$1,291,115.70	$57,127.94	$8,559,279.45		$119,132,904.86
Received:									
Purchases			67.25	18.00	234.00		704.75	$1,024.00	
Gain by inventory	23,139.03	589,660.09	247,114.19	61,375.86	45,899.11	25.00	5,393,509.04	6,360,722.32	
Transfers	471,219.20	21,725,797.85	3,952,689.05	2,426,758.01	326,236.47	14,972.20	17,183,531.35	46,101,204.13	
Other Government departments and Marine Corps			262.75					262.75	
Miscellaneous	*5.70*			2,803.40				2,797.70	52,466,010.90
Total	2,788,778.70	97,583,597.94	24,101,386.22	14,252,517.89	1,663,485.28	72,125.14	31,137,024.59		171,598,915.76
Total on balance sheets July 1, 1924									119,132,904.86
In transit									7,378,594.57
Grand total									126,511,499.43
Expended:									
Loss by survey	94,533.92	1,648,201.30	1,404,006.68	925,293.99	125,227.08	18,579.56	737,151.80	4,952,994.33	
Transfers	313,202.07	7,556,554.65	1,602,887.82	1,318,355.48	185,385.80	30,810.66	13,171,955.31	24,179,151.79	
Other Government departments and Marine Corps	*119.41*		2,585.21	*262.99*			15,464.57	17,667.38	
Miscellaneous	33,547.89	193,557.80	99,518.24	238,922.28	6,365.95		1,295,127.11	1,867,039.27	
Total	441,164.47	9,398,313.75	3,108,997.95	2,482,308.76	316,978.83	49,390.22	15,219,698.79		31,016,852.77
Balance June 30, 1925	2,347,614.23	88,185,284.19	20,992,388.27	11,770,209.13	1,346,506.45	22,734.92	15,917,325.80		140,582,062.99
Total	2,788,778.70	97,583,597.94	24,101,386.22	14,252,517.89	1,663,485.28	72,125.14	31,137,024.59		171,598,915.76
Balance June 30, 1925									140,582,062.99
In transit									3,462,245.17
Grand total									144,044,308.16
Increase									17,532,808.73

Statement 20.—SHIP'S STORE PROFITS FUND

CREDIT

Balance July 1, 1924	$197,266.13
Profits during fiscal year 1925	345,226.74
	542,492.87

DEBIT

Expenditures for fiscal year 1925 for entertainment of enlisted men	340,885.32
Adjustment by surveys	13,017.30
Balance June 30, 1925	188,590.25
	542,492.87

Statement 21.—CLOTHING AND SMALL STORES FUND

ASSETS

Cash balance in United States Treasury		$2,874.50
Stock balance June 30, 1925:		
At navy yards and stations	$24,654,431.90	
On board ships	2,728,726.53	
In transit	1,244,398.05	
		28,627,556.48
Condemned stock (estimated value)		108,393.86
Accounts in course of adjustment by the General Accounting Office, military division		2,857,670.57
Total		31,596,495.41

LIABILITIES

Accounts in course of adjustment by the General Accounting Office, military division	104,182.64
Value of clothing and small stores fund June 30, 1925	31,492,312.77
Total	31,596,495.41

Statement 22.—MIDSHIPMEN'S STORE FUND

BALANCE SHEET, MIDSHIPMEN'S STORE AND DAIRY

ASSETS

	Midshipmen's store	Dairy
Cash on hand and in United States Treasury	$95,549.82	$31,290.55
Merchandise on hand June 30, 1925	145,034.45	23,601.11
Office furniture and fixtures	3,206.85	658.05
Accounts receivable	22,965.41	7,455.68
Buildings and land		340,413.55
Cattle		93,509.56
Production		13,639.53
Machinery and equipment		74,075.31
Work animals		6,781.63
	266,756.53	591,524.97

LIABILITIES

Accounts payable	13.08	1,457.85
Value June 30, 1925	266,743.45	590,067.12
	266,756.53	591,524.97

PROFIT AND LOSS STATEMENT

		Midshipmen's store	Dairy
Income from sales of merchandise and production		$34,672.18	$146,411.85
Discounts received		5,656.29	
Miscellaneous receipts			4,577.91
		40,328.47	150,989.76
Deduct operating expenses:			
Salaries	$25,042.25		
Miscellaneous expense	1,259.93		
Depreciation	579.27		
Labor and subsistence			62,292.23
Supplies and equipment			38,036.57
Feed			41,206.96
		26,881.45	141,535.76
Net gain		13,447.02	9,454.00

Statement 23.—NAVAL SUPPLY ACCOUNT FUND

[Balance sheet as of June 30, 1925]

ASSETS

Unexpended balance under naval supply account fund		$18,976,260.53
Stock in naval supply account		105,070,793.64
Manufacturing work in progress—Title Z		1,773,318.96
Stock in transit between supply officers		2,972,344.13
Accounts receivable		972,649.00
		129,765,366.26

LIABILITIES

Appropriations made by Congress		559,054,437.01
Less:		
Deficiencies charged to naval supply account fund	$233,217,244.72	
Expenditures without reimbursement	141,697,355.04	
Transferred to other appropriations	55,600,000.00	430,514,599.76
Value of fund		128,539,837.25
Stores on hand not yet paid for		1,155,028.14
Profits—Commissary stores, sales		33,705.42
To be transferred to civil service retirement fund		36,795.45
		129,765,366.26
Obligations on account of outstanding contracts and requisitions		18,189,311.36
Obligations on account of yard allotments		684,152.16
Reserve to cover future claims to be settled by the General Accounting Office		8,000,000.00
Total outstanding obligations		26,873,463.52
Funds on hand		18,976,260.53
Excess of obligations over available funds		7,897,202.99

Statement 24.—APPROPRIATION BALANCES

(Appropriation and funds June 30, 1925)

(Figures in italics, column 1, represent appropriations overobligated; figures in italics, column 3, represent appropriations overexpended)

RECAPITULATION

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
Total of appropriations and funds	$57,750,657.99	$76,873,042.20	$134,623,700.19	$14,027,392.86	$4,590,913.60	$144,060,179.45

FISCAL YEAR 1925 AND CONTINUING APPROPRIATIONS

5101. Pay, miscellaneous, 1925:						
1. Commissions and interest; transportation of funds and exchange	$1,038.80	$257.71	$1,296.51	*$415.77*	$0.17	$880.57
2. Mileage and actual personal expenses of officers while traveling; traveling expenses of female nurses; mileage of midshipmen entering Naval Academy	41,244.49	75,043.26	116,287.75	3,311.53	*227.60*	119,826.88
3. Traveling expenses of civilian employees	34,710.57	4,770.94	39,481.51	2,274.56	45.31	41,710.76
4. Rent of buildings and offices not in navy yards	20,479.66	25,907.30	46,386.96	50.00	54.00	46,382.96
5. Expenses of courts-martial, prisons and prisoners, courts of inquiry, expenses for interned persons and prisoners of war, including funeral expenses; cost of suits	4,661.98	1,899.22	6,561.20	2,511.14	*31.08*	9,103.42
6. Newspapers, periodicals, and all advertising for the Navy Department (except recruits)	164.09	1,879.35	2,043.44	69.25	----------	2,112.69
7. Professional investigations; religious books; cost of special instruction at home	*27.09*	11,450.49	11,423.40	2,639.58	----------	14,062.98
8. Cost of special instruction abroad, including maintenance of students and attachés; information from abroad and at home and the collection and classification thereof	304.95	1,577.77	1,882.72	----------	----------	1,882.72
9. Ice for cooling of drinking water on shore (except naval hospitals)	4,172.88	4,027.80	8,200.68	*15.83*	25.01	8,159.84
10. Telephone rentals and tolls, telegrams, cablegrams	2,983.42	37,774.37	40,757.79	*33.58*	*15.70*	40,739.91
11. Postage, foreign and domestic, post office box rentals; actual expenses of officers while on shore duty; hire of launches; relief of vessels in distress; recovery of valuables from shipwrecks; quarantine expenses; ferriage tolls (street car fares); copying and other necessary and incidental expenses	21,866.93	7,199.82	29,066.75	351.24	*98.01*	29,516.00
12. Clerical labor charged on rolls	4,253.02	1,246.78	5,499.80	36,198.43	----------	41,698.23
13. Expenses of naval defense districts	1,562.24	220.84	1,783.08	326.85	----------	2,109.93
14. Transportation of dependents of officers, etc	29,566.45	62,646.49	92,212.94	2,243.30	*50.70*	94,506.94

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1925 AND CONTINUING APPROPRIATIONS—Continued

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
5101. Pay, miscellaneous, 1925—Continued.						
15. Claims for damages	$1,526.60		$1,526.60			$1,526.60
16. Boards of inspection, examining boards (including expenses of all boards, except clerical employees who come under subhead No. 12)	1,487.09	$420.96	1,908.05	$8.23		1,916.28
5102. Contingent, Navy, 1925	9,139.42	5,027.11	14,166.53		$0.45	14,166.08
5104. Care of lepers, etc., island of Guam, 1925	832.56	644.45	1,477.01	2,003.98		3,480.99
5105. Experimental and research laboratory, 1925	688.17	19,283.63	19,971.80	5,571.55		25,543.35
5117. Navy fines and forfeitures (special fund)	1,969,643.31	1,772.27	1,971,415.58	18,312.84	680,107.56	1,309,620.86
4120. Scrapping of naval vessels, 1924–25	789,754.91	996,621.93	1,786,376.84	28,050.25		1,814,427.09
5144. Naval emergency fund	*7,100,194.09*	22,317.80	*7,077,876,29*	414.38		*7,077,461,91*
5151. Naval emergency fund (restoration of property, vessels, etc.)	7,325,824.83	42,275.08	7,368,099.91	45,751.02		7,413,850.93
5173. Salaries, Office of the Secretary of the Navy, 1925–26	25.00		25.00			25.00
5174. Salaries, Office of Secretary of Navy, 1925	1,108.50		1,108.50			1,108.50
5175. Library, Navy, Department, 1925	100.00		100.00			100.00
4176. Monument, Charles Fort, Parris Island, S. C., 1924–25	3,907.46	5,631.85	9,539.31			9,539.31
5177. Contingent expenses, Navy Department, 1925	10,099.56	17.00	10,116.56	140.88		10,257.44
5178. Printing and binding, Navy Department, 1925	132,559.47		132,559.47			132,559.47
5180. Salaries, Office of Naval Records and Library, 1925	19.00		19.00			19.00
5181. Naval records of war, with Central Powers of Europe, 1925	9.59		9.59			9.59
5183. Salaries, Office of Judge Advocate General, United States Navy, 1925	719.50		719.50			719.50
5184. Salaries, Office of Chief of Naval Operations, 1925	69.00		69.00			69.00
5185. Salaries, Office of Director of Naval Communications, 1925	3,469.00		3,469.00			3,469.00
5186. Salaries, Office of Naval Intelligence, 1925	1,749.50		1,749.50			1,749.50
5187. Salaries, General Board, Navy Department, 1925	2.00		2.00			2.00
5189. Salaries, Compensation Board, Navy Department, 1925	3,716.50		3,716.50			3,716.50
5190. Salaries, Board of Inspection and Survey, Navy Department, 1925	3.50		3.50			3.50
5201. Maintenance, Yards and Docks, 1925	*5,671.51*	291,515.06	285,843.55	353,214.64	31.09	639,057.10
5203. Contigent, Yards and Docks, 1925	*6,263.80*	54,323.20	48,059.40	22,278.38		70,337.78
4205. Fishery rights, Pearl Harbor, 1924–25	1,672.25		1,672.25			1,672.25
5208. Submarine and destroyer base, Columbia River:						
1. Development	3,691.74	22,662.74	26,354.48			26,354.48
5209. Salaries, Bureau Yards and Docks, 1925	521,97		521.97			521.97
5212. Training station, San Diego, Calif.:						
3. To complete the development of a permanent training station	97,577.54	2,635.98	100,213.52			100,213.52
4. Roads, walks, and distributing systems	3,627.00	22,845.76	26,472.76			26,472.76

5213. Naval station, St. Thomas, Virgin Islands:						
1. Refrigerating plant extension		875.00	875.00			875.00
5215. Navy yard, Portsmouth, N. H.:						
2. Electric capstans for dry dock	2,655.00	7,345.00	10,000.00			10,000.00
3. Repairs to quay walls	9,942.19	27.09	9,969.28	1,058.44		11,027.72
4. Circulating pumps for heating system	2,170.27	1,034.53	3,204.80	211.77		3,416.57
5216. Navy yard, Boston, Mass.:						
1. Improvements of central power plant	*7,290.44*	702.34	*6,588.10*	4,245.21		*2,342.89*
2. Shore facilities for commonwealth dry docks, South Boston	7,740.04	15,019.47	22,759.51	*1,425.53*		21,333.98
3. Additional facilities, Dry Dock No. 3	120,082.25	36,409.16	156,491.41	1,406.75		157,898.16
4. Renewal of the roof of foundry building No. 42C	5,300.59	3,884.19	9,184.78	18.78		9,203.56
5217. Naval ammunition depot, Mare Island, Calif.:						
2. Magazine and shell house, to complete	5,506.33		5,506.33			5,506.33
5218. Navy yard, New York, N. Y.:						
1. Central power-plant improvements	44,678.29	23,292.47	67,970.76	3,312.37		71,283.13
2. Extension, distributing system	3,792.57	1.68	3,794.25			3,794.25
3. Dredging, to continue	23,822.78	15.93	23,838.71			23,838.71
4. Sprinkler system, building No. 4	3,881.00	9,619.00	13,500.00			13,500.00
5219. Navy yard, Philadelphia, Pa., surplus fund	5,955.28		5,955.28			5,955.28
3. Dredging	106.50	154.96	261.46			261.46
4. Toilet facilities, Dry Dock No. 3	10,133.98	2,806.63	12,940.61	3,149.35		16,089.96
5220. Navy yard, Washington, D. C.:						
2. Acquisition of additional land, Naval Gun Factory	24,186.27	507.81	24,694.08	185.80		24,879.88
3. Yard improvements	22,025.18	13,978.20	36,003.38	1,062.83		37,066.21
5. Sewer, water, and paving extensions in eastern addition	1,182.98	11.08	1,194.06	403.84		1,597.90
141. Outside oil-distribution system	772.06		772.06			772.06
6. Dredging	1,572.44		1,572.44			1,572.44
7. Repairs to marine railway	3,618.22	745.86	4,364.08	172.96		4,537.04
8. Repairs to steam-distributing system	23,101.57	938.44	24,040.01	2,441.13		26,481.14
5221. Navy yard, Norfolk, Va.:						
1. Improvements, central power plant and distributing systems	890.67	4.48	895.15			895.15
2. Auxiliary fitting-out cranes	27,500.20		27,500.20			27,500.20
3. Dry dock and accessories	*917.66*	127.56	*790.10*	1,833.54		1,043.44
4. Water-front improvements, to continue	*4.80*		*4.80*			*4.80*
5. Replace caissson, Dry Dock No. 1	10,024.51	40.24	10,064.75	33.72		10,098.47
5222. Navy yard, Charleston, S. C.:						
2. Central power-plant improvements	1,160.31	2,424.19	3,584.50			3,584.50
3. Air compressors and auxiliaries	2,145.16	16.10	2,161.26	1,124.28		3,285.54
4. Fire protection	862.87	94.00	956.87			956.87
5. Dredging, to continue	1,876.29	715.33	2,591.62	18.77		2,610.39
5223. Naval station, Key West, Fla.:						
61. Distilling plant	72.76	.75	73.51			73.51
62. For development of a submarine base, to complete	7,829.45	10.62	7,840.07	165.05		8,005.12
5226. Navy yard, Mare Island, Calif.:						
227. Structural shops and auxiliary improvements	591.90	12.23	604.13	398.41		1,002.54
1. Improvements to central power plant	719.36		719.36			719.36
2. Rebuilding dikes, wharves, and quay walls, and maintenance dredging (limit of cost, $2,800,000)	321,452.07	7,375.63	328,827.70	24,713.17		353,540.87
3. Dredging equipment	143,735.47	116.14	143,851.61	4,384.05		148,235.66
4. Mooring dolphins, replacement	25,002.27		25,002.27			25,002.27
5. Plant renewals, naval coal depot, Tiburon, Calif	8,551.24	3,360.17	11,911.41	14,503.10		26,414.51

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1925 AND CONTINUING APPROPRIATIONS—Continued

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
5227. Navy yard, Puget Sound, Wash.:						
1. Purchase of land and fitting up trial course (Vashon Islands)	$411.18	$1,399.10	$1,810.28			$1,810.28
2. Central power plant improvements	12,938.01	23,309.10	36,247.11	$84.86		36,331.97
223. Purchase of additional land adjoining the navy yard	5,886.65		5,886.65			5,886.65
3. For grading, filling, and sea-wall construction	21,968.83		21,968.83			21,968.83
4. Pattern shop extension	3,891.89	37.70	3,929.59	92.82		4,022.41
5. Fifty-ton dry-dock crane	1,792.14		1,792.14			1,792.14
6. Additional storage facilities	74.76		74.76			74.76
7. Pier No. 4 extension	3,352.19	53.86	3,406.05	933.47		4,339.52
8. Dredging	4,478.16		4,478.16			4,478.16
9. Improvement to dry docks	3,861.90	74.36	3,936.26	2,658.54		6,594.80
10. Repair and fitting out pier (limit of cost, $1,190,000)	*917,394.00*	1,105,312.00	187,918.00	*706.33*		187,211.67
5228. Naval station, Cavite, P. I.:						
23. Fuel-oil storage	6,843.05		6,843.05			6,843.05
24. Moving buildings, from Olongapo to Cavite	*112.46*		*112.46*			*112.46*
25. Repairs to central wharf	11,319.17	3,500.00	14,819.17			14,819.17
26. Rebuilding pontoon for 20-ton derrick	108.94		108.94			108.94
27. Moving power-plant equipment from Olongapo and replacing worn out equipment at Cavite (limit of cost, $120,000)	8,056.50	161.00	8,217.50	1,100.57		9,318.07
28. Coaling plant renewals	22,357.70		22,357.70			22,357.70
5229. Naval station, island of Guam:						
32. Boathouse	873.85		873.85	388.06		1,261.91
37. Purchase of land	170.92		170.92			170.92
38. Repairing dredge	7,901.65	12.00	7,913.65	608.55		8,522.20
39. Sanitary improvements	3,147.25		3,147.25	783.12		3,930.37
40. Fire protection	2,225.05		2,225.05	195.07		2,420.12
41. Replacing timber dock with concrete quay wall, coaling station	12,000.00		12,000.00			12,000.00
5230. Naval station, Guantanamo, Cuba:						
11. Concrete pier	1,764.85	300.00	2,064.85			2,064.85
15. Additional distilling facilities	5,933.98	6,782.04	12,716.02	83.16		12,799.18
16. Fresh-water tank	2,814.51	9,522.80	12,337.31			12,337.31
5232. Naval station, Pearl Harbor, Hawaii:						
1. Auxiliary water supply	*.01*	24.02	24.01	268.48		292.49
2. Substation near dry dock	10,450.13	6.39	10,456.52	23.30		10,479.82
4. Central power plant extensions	34,118.36	29,049.94	63,168.30	3,722.11		66,890.41
5. Quay wall connecting dry dock and wharf	5,735.88	33,833.69	39,569.57			39,569.57
6. Marine railway, to complete	2,214.79		2,214.79			2,214.79

7. Electric-system extensions	10,498.46	.57	10,497.89			10,497.89
8. Water-front development	4,948.52	87,410.63	92,359.15			92,359.15
9. Improvements to coaling plant	2,452.51	10.45	2,462.96			2,462.96
10. Compressed-air system extension	2,818.48	24.12	2,842.60	169.96		3,012.56
11. Extension of existing paint and oil storehouse		6,572.12	6,572.12			6,572.12
13. Paving, grading, and railroad extension		200.63	200.63			200.63
14. Addition to machine shop, to complete	9,096.22	152.04	9,248.26	1,817.60		11,065.86
15. Addition to storage building	1,520.31		1,520.31			1,520.31
16. Harbor moorings	5,644.71	301.30	5,946.01	2,556.02		8,502.03
17. Boundary fence	3,199.38	19,677.82	22,877.20	101.32		22,978.52
18. Water system, extension	7,736.37	32.61	7,768.98	937.50		8,706.48
19. Marine-railway accessories house	20,000.00		20,000.00			20,000.00
5233. Naval training station, Rhode Island, buildings:						
66. Sea-wall improvements	4,169.61	55.68	4,225.29			4,225.29
5236. Naval magazine, New York Harbor:						
24. Quarters for maine officer and medical officer	605.03	128.32	733.35	363.60		1,096.95
5238. Naval magazine, Dover, N. J.:						
11. Acquisition of additional land	5,000.00	333.34	5,333.34			5,333.34
12. Fire protection	37.39	13.62	51.01	66.98		117.99
5239. Naval magazine, Fort Mifflin, Pa.:						
33. Acquisition of additional land	20,254.67	278,681.33	298,936.00			298,936.00
5243. Ammunition depot, Pearl Harbor, Hawaii:						
5. Additional storage facilities	1,067.41		1,067.41			1,067.41
6. Salt-water fire-protection system	*80.00*		*80.00*			*80.00*
7. Additional storage unit for ammunition details	5,873.98	3,339.95	9,213.93	*125.91*		9,088.02
8. Additional unit for filling case ammunition	35,183.63	4,477.00	39,660.63	200.00		39,860.63
5244. Naval magazine, Kuahua, Hawaii:						
15. Machinery and tools	1,899.37		1,899.37			1,899.37
5245. Submarine base, Pearl Harbor, Hawaii:						
2. Battery-charging installation	244.08	37.82	281.90	432.69		714.59
5. Extension of existing building for battery storage and overhaul	1,035.61	4.63	1,040.24			1,040.24
4. Grading railroad extension	4,157.87	23.29	4,181.16			4,181.16
5. Additional pier	1,312.02	181.98	1,494.00	768.02		2,262.02
6. Wharf	6.95	88.93	95.88	*235.06*		*139.18*
8. Distributing systems, extension	44,517.27	1,524.84	46,042.11	534.44		46,576.55
5248. Marine barracks, Quantico, Va.:						
1. Acquisition of land	41,213.75	966.67	42,180.42			42,180.42
5251. Depots for coal:						
1. To complete coaling plant, Pearl Harbor, Hawaii	83.11	4.78	87.89	188.42		276.31
51. Contingent		377.74	377.74			377.74
52. Care and custody of naval petroleum reserves	10,000.00		10,000.00			10,000.00
5252. Naval coal depot, Melville Station, R. I.:						
5 Improvements to water supply, including purchase of land	15,000.00		15,000.00			15,000.00
5253. Buildings and grounds, Naval Academy:						
24. Addition to power plant	17,362.22		17,362.22			17,362.22
27. Water-purification plant	799.87	4.06	803.93			803.93
5254. Naval training station, Great Lakes, buildings:						
5. Compensation for land taken over	54,337.50		54,337.50			54,337.50
8. Water intake, extension	12,542.61	62,457.39	75,000.00			75,000.00
9. Railroad system improvements (limit of cost, $50,000)	962.58	41.55	1,004.13	800.13		1,804.26
10. Sewerage system, improvements	750.00	11,479.28	12,229.28			12,229.28
11. Railroad trestle, replacement	90.55	932.53	1,023.08			1,023.08

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1925 AND CONTINUING APPROPRIATIONS—Continued

	Available (unobligated) balances	Unpaid obligations	Unexpended balanees	Expenditures not settled by auditor	Reimburse-ments not settled by auditor	Treasury balance
	1	2	3	4	5	6
5255. Naval ammunition depot, Iona Island, N. Y.:						
1. Repairs to south doek	$646.00	$60.87	$706.87	$283.22		$990.09
5258. Naval proving ground, Indianhead, Md.:						
45. Railroad to connect naval proving ground with existing or contemplated railway lines	1,789.43	733.34	2,522.77			2,522.77
5259. Naval ammunition depot, Lake Denmark, N. J.:						
2. Standpipe	3,665.50	2,201.90	5,867.40			5,867.40
3. Steam-heating plants for six officers' quarters	3.32		3.32			3.32
5261. Naval hospital, Norfolk, Va.:						
1. Purchase of land for spur track	450.00		450.00			450.00
5266. Naval hospital, San Diego, Calif.:						
2. To complete	53,466.03	51,492.92	104,958.95			104,958.95
5268. Bridge, navy yard, Portsmouth, N. H.	20,067.00	24,040.75	44,107.75			44,107.75
5269. Naval torpedo station, Keyport, Wash.:						
1. Extension of existing buildings for torpedo storage	3,251.23	22,150.43	25,401.66			25,401.66
2. Pier No. 1, extension	4,149.95		4,149.95	*466.84*		3,683.11
3. Power plant, extension	10,000.00		10,000.00			10,000.00
4. Fresh-water system, extension	13,000.00		13,000.00			13,000.00
5. Sewer system, extension	194.07	16.09	210.16	781.34		991.50
5270. Naval station, Tutuila, Samoa:						
1. Fire protection	3,878.52	421.58	4,300.10	77.10		4,377.20
2. Rebuilding power and refrigerating plant	21,624.73	31,587.89	53,212.62	624.59		53,837.21
3. Rebuilding station wharf	*4,416.39*	3,157.11	*1,259.28*	654.46		*604.82*
5272. Marine recruiting station, Port Royal, S. C.:						
14. Additional eompensation for property taken over	16,602.00	1,000.00	17,602.00			17,602.00
5274. Naval fuel depot, San Diego, Calif.:						
5. Storage for war heads	21,350.00	38,650.00	60,000.00			60,000.00
5275. Naval station, San Diego, Calif.:						
1. Floating pile driver, with sand pump	14,916.61		14,916.61			14,916.61
2. Storage for torpedoes	57,790.56	78,612.00	136,402 56			136,402.56
5278. Supply depot, Marine Corps, San Franeisco, Calif.:						
1. Construction of building, including grading of site	30,060.14	134,719.39	164,779.53			164.779.53
5280. Experimental and researeh laboratory	81,064.72	6,487.82	87,552.54	7,719.44		95,271.98
5284. Marine barraeks, San Diego, Calif.:						
5. To complete the development of Marine Corps base	5,242.68	86,274.18	91,516.86			91,516.86
5292. Naval operating base, Hampton Roads, Va., S. F	7,775.64		7,775.64			7,775.64
3. Additional, for payment of compensation for property taken over	30,111.96		30,111.96			30,111.96
6. Toward water-front improvements, etc		2,773.39	2,773.39			2,773.39
12. Repairs to north breakwater	58,228.23	482.76	58,710.99			58,710.99

5293. Hospitals and medical supply depots:						
24. Contingent	857,649.40	15,306.38	872,955.78	4,068.56	$41.95	876,982.39
5295. Naval training camps	119,837.36	60,067.23	179,904.59			179,904.59
5297. Improvements at ordnance stations	297,393.98	3,431.76	300,825.74	1,311.02		302,136.76
5299. Naval air station site, Cape May, N. J. (act Oct. 6, 1917)	328,430.00	833.33	329,263.33			329,263.33
5301. Contingent, Navigation, 1925	8,910.50	3,649.90	12,560.40			12,560.40
5302. Transportation, Navigation, 1925:						
1. Transportation of enlisted men	821,721.36	464,366.69	1,286,088.05	3,494.56	248.44	1,289,334.17
2. Transportation of dependents of enlisted men	*50,003.43*	31,591.72	*18,411.71*	1,225.44		*17,186.27*
3. Expenses of recruiting (other than transportation of enlisted men)	45,644.22	46,827.25	92,471.47	638.96	11.60	93,098.83
5305. Gunnery and engineering exercises, 1925	34,451.04	17,516.23	51,967.27	*10.90*	*210.00*	52,166.37
5309. Instruments and supplies, 1925	3,195.02	206,932.59	210,127.61	11,942.03	3,235.22	218,834.42
5310. Ocean and lake surveys, 1925	19,487.31	5,795.02	25,282.33			25,282.33
5311. Naval training station, Rhode Island, 1925	*83.62*	3,802.18	3,718.56	4,522.28		8,240.84
5312. Naval training station, Hampton Roads, Va., 1925	1,762.23	561.77	2,324.00	7,402.46		9,726.46
5313. Naval training station, Great Lakes, 1925	*8.10*	21,991.52	21,983.42	16,478.84		38,462.26
5314. Naval training station, California, 1925	434.70	1,908.95	2,343.65	1,808.89		4,152.54
5315. Naval War College, 1925:						
1. Maintenance and care of grounds	1,557.71	2,284.68	3,842.39	6,003.35		9,845.74
3. Services of civilian lecturer rendered at War College		200.00	200.00			200.00
4. Care and preservation of library, etc	*310.00*	1,579.71	1,269.71			1,269.71
5316. Naval Home, Philadelphia, Pa., 1925:						
1. Employees	*15,171.65*	362.10	*14,809.55*			*14,809.55*
2. Maintenance	18,161.76	11,610.51	29,772.27			29,772.27
5317. Pay, Naval Academy, 1925	30,066.60	3,018.94	33,085.54	26,889.05		59,974.59
5318. Current and miscellaneous expenses, Naval Academy, 1925:						
1. Text and reference books for instructors, etc	7,790.80	6,517.64	14,308.44	372.80		14,681.24
2. Purchase, binding, and repair of books for the library	*429.94*	569.39	139.45			139.45
3. Expenses of Board of Visitors	2,336.04		2,336.04			2,336.04
4. Contingencies for the superintendent	102.89		102.89	5.57		108.46
5. Contingencies for the commandant of midshipmen	31.26		31.26			31.26
5319. Maintenance and repairs, Naval Academy, 1925:						
1. General purposes	2,002.89	94,364.54	96,367.43	14,057.80		110,425.23
2. Rent of buildings for the use of the academy and commutation of rent for bandsmen	5,418.50		5,418.50	*240.00*		5,178.50
5322. Organizing Naval Reserve Force, 1925:						
1. Travel of officers	8,805.49	2,551.67	11,357.16	66.61	.75	11,423.02
2. Transportation of men	56,230.11	8,921.73	65,151.84	5,668.04	*1.40*	70,821.28
3. Administration and armories	20,800.00	21,561.78	42,361.78	3,878.46		46,240.24
4. Engineering	*22,148.97*	31,831.46	9,682.49	23,886.10		33,568.59
5. Construction and repair of vessels	11,614.65	15,426.86	27,041.51	15,054.20		42,095.71
7. Aviation	66,921.68	5,627.92	72,549.60	2,531.07		75,080.67
8. Medical Department	161.81	30.00	191.81			191.81
9. Pay, retainer pay	261,312.16		261,312.16	174,485.86	544.67	435,253.35
10. Officers, active duty (reserves)	38,480.38		38,480.38	868.00	*592.50*	39,940.88
11. Ship keepers (reserves)	*39,372.84*		*39,372.84*	*165,473.40*	*11,588.57*	*193,257.67*
12. Training pay (cruise)	274,897.71		274,897.71	*15,552.07*	*23,098.51*	282,444.15
13. Provisions, ship keepers (reserves)	*23,273.98*		*23,273.98*	*12,765.05*	*214.63*	*35,824.40*
14. Provisions, cruise	37,292.87		37,292.87	*271.30*		37,021.57
15. Maintenance, Supplies and Accounts	5,427.64	.26	5,427.90			5,427.90
16. Fuel and transportation	26,809.05		26,809.05	5.36		26,814.41
17. Navigation (instruments and supplies)	3,117.75	2.99	3,120.74	72.41		3,193.15

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1925 AND CONTINUING APPROPRIATIONS—Continued

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
5327. Recreation for enlisted men, Navy, 1925	$19,219.94	$58,953.20	$78,173.14	$4,807.72	$31.17	$82,949.69
5387. Salaries, Bureau of Navigation, 1925	10.50		10.50			10.50
5390. Salaries, Naval Observatory, Navy Department, 1925	78.50		78.50			78.50
5391. Grounds and roads, Naval Observatory, 1925	88.50		88.50			88.50
5392. Salaries, Nautical Almanac Office, Navy Department, 1925	586.00		586.00			586.00
5393. Contingent and miscellaneous expenses, Hydrographic Office, 1925	*1,317.00*	20,470.69	19,153.69	66.73		19,220.42
5395. Contingent and miscellaneous expenses, Naval Observatory, 1925	19,790.36	15.39	19,805.75	.68		19,806.43
5396. Administrative expenses, World War, adjusted compensation act, Navy Department, 1925–26	163,961.89		163,961.89	3,364.76		167,326.65
5401. Ordnance and ordnance stores, 1925:						
1. General purposes	36,786.62	1,280,451.35	1,317,237.97	568,745.72	4,968.24	1,881,015.45
2. Purchase and manufacture of smokeless powder	*3,832.92*	115,568.15	111,735.23	*72,947.31*		38,787.92
5405. Torpedoes and appliances, 1925	*555.10*	670,730.47	670,175.37	21,569.82		691,745.19
5406. Experiments, ordnance, 1925	2,879.08	10,294.81	13,173.89	12,079.59		25,253.48
5415. Alterations to naval vessels	162,839.98	137,160.02	300,000.00			300,000.00
5421. Ammunition for ships of the Navy	42,282.07		42,282.07			42,282.07
5427. Projectile plant, Navy	64,336.29	5,354.80	69,691.09			69,691.09
5428. Armor plant, Navy	84,047.57	35,319.68	119,367.25			119,367.25
5450. Increase of the Navy (ordnance allotment)	4,770,325.69	3,111,172.56	7,881,498.25	214,626.59	391.47	8,095,733.37
5494. Salaries, Bureau of Ordnance, Navy Department, 1925	1,430.00		1,430.00			1,430.00
5501. Construction and Repair, 1925	176,603.16	297,495.86	474,099.02	538,004.92	6,737.32	1,005,366.62
5594. Salaries, Bureau of Construction and Repair, Navy Department, 1925	1,937.46		1,937.46			1,937.46
5510. Increase of the Navy (Construction and Repair and Engineering)	*7,942,205.36*	28,111,140.18	20,168,934.82	704,825.77	247,778.60	20,625,981.99
5515. Alterations to naval vessels	483,414.18	3,752.91	487,167.09	65,324.67		552,491.76
5601. Engineering, 1925:						
1. General expenses	*449,239.38*	944,218.23	494,978.85	681,676.65	2,499.02	1,174,156.48
2. Shore radio	*104,779.82*	290,068.29	185,288.47	*39,818.08*		145,470.39
5602. Engineering, experimental station, Annapolis, Md., 1925	1,705.83	7,797.28	9,503.11	1,219.87		10,722.98
5605. Engineering, 1925–26	331,681.09	391,426.32	723,107.41	1,034,14		724,141.55
4605. Engineering, 1924–25:						
1. Improvements to machinery of vessels	68,728.12	65,954.47	134,682.59	13,613.41		148,296.00
2. Developing and testing submarine motive-power	*123,590.15*	260,884.01	137,293.86	31,097.69		168,391.55
5694. Salaries, Bureau of Engineering, Navy Department, 1925	2,201.00		2,201.00			2,201.00
5701. Pay of the Navy, 1925	166,489.45	869,403.78	1,035,893.23	7,848,191.34		8,884,084.57
5702. Provisions, Navy, 1925	1,659,738.38	161,945.72	1,821,684.10	48,486.00	*1,175.68*	1,871,345.78
4702. Provisions, Navy, 1924–25	807,903.70		807,903.70	*89,923.64*	126,973.34	591,006.72
5704. Maintenance, Supplies and Accounts, 1925:						
1. General account	75,402.04	37,461.79	112,863.83	499,458.17	*135.04*	612,457.04
2. Packing and transportation of household effects	20,883.39	52,754.71	73,638.10	*79,232.46*	*344.08*	*5,250.28*

3. Transportation of supplies (other than subhead No. 2, paid on public bills ashore)	3,714.58	624,464.03	628,178.61	37,875.16	399.92	665,653.85
5708. Fuel and transportation, 1925	285,253.11	561,620.02	846,873.13	34,380.79	181.33	881,072.59
5716. Clothing and small-stores fund:						
1. Stores	12,937,846.17	2,152,305.93	15,090,152.10	41,795.89	2,857,624.69	12,274,323.30
2. Outfits	*12,333,792.67*		*12,333,792.67*	60,682.90		*12,273,109.77*
5717. Ship's stores profits, Navy	97,820.73	151,125.31	248,946.04	*4,991.15*	184,116.02	59,838.87
5718. Reserve material, Navy	741,997.96	12,926.24	754,924.20			754,924.20
5750. Naval supply account fund:						
1. Stores	*2,563,686.87*	18,873,463.52	16,309,776.65	917,550.14	*37,826.83*	17,265,153.62
2. Unexpended balances of 1919 and 1920 appropriations	2,666,483.88		2,666,483.88			2,666,483.88
5777. Navy working fund	2,742,313.48	1,548,261.68	4,290,575.16	721,801.07	*42,419.13*	5,054,795.36
5794. Salaries, Bureau of Supplies and Accounts, 1925	6,539.69		6,539.69			6,539.69
7-65302. Party Expenses, Coast and Geodetic Survey, 1925	1,000.00		1,000.00			1,000.00
7-84/5425. Replacing ordnance and ordnance stores, 1924-25	201.21		201.21			201.21
Geological Survey, 1924-25	7,000.00		7,000.00			7,000.00
5113. Federal fuel distribution	3,414.92		3,414.92			3,414.92
5161. Maintenance and improvements of existing river and harbor works	445,924.00		445,924.00			445,924.00
5163. Coast Guard, 1925	1,628.28		1,628.28			1,628.28
5164. Military posts, Hawaiian Islands	27,720.21		27,720.21			27,720.21
5277. Hospital facilities and services	319.93		319.93			319.93
5452. Armament of fortifications, 1925	7,500.00		7,500.00			7,500.00
5524. Repairs to Coast Guard cutters, 1925	56,489.00		56,489.00			56,489.00
4526. Additional vessels, Coast Guard, 1924-25	646,425.53		646,425.53	*35,113.40*		611,312.13
5805. Medical and hospital services, Veterans' Bureau, 1925	312,345.46	2,748.31	315,093.77	*459.19*		314,634.58
5875. Air Service, Army, 1925	114,054.67	75,371.25	189,425.92			189,425.92
5801. Medical Department, 1925	*69,584.96*	154,542.23	84,957.27	116,668.10	227.17	201,398.20
5802. Contingent, Medicine and Surgery, 1925	33,092.17	90,132.32	123,224.49	*2,411.10*	*10.00*	120,823.39
5806. Care of the dead	1,864.79	6,883.13	8,747.92	114.05	119.00	8,742.97
5814. Naval Hospital, Fort Lyon, Colo	4,782.36		4,782.36			4,782.36
5815. Naval hospital fund:						
1. Hospital maintenance	2,028,980.66	715.01	2,029,695.67	44,531.13	437,498.89	1,636,727.91
2. New hospital buildings (limit of cost $2,257,000)	2,164,102.51	28.90	2,164,131.41	*43,615.09*		2,120,516.32
5825. Salaries, Bureau of Medicine and Surgery, 1925	4.50		4.50			4.50
5852. Aviation, Navy, 1925 (new aircraft and equipment)	282,381.44	3,956,839.14	4,239,220.58	*395,631.36*		3,843,589.22
5853. Aviation, Navy, 1925 (navigation, radio, and photographic equipment)	*87,314.96*	251,315.30	164,000.34	14,029.90		178,030.24
5454. Aviation, Navy, 1925 (maintenance and repair)	165,098.80	1,869,535.66	2,034,634.46	240,371.33		2,275,005.79
5855. Aviation, Navy, 1925 (experiments and development)	*564,056.81*	1,271,367.55	707,310.74	20,658.97		727,969.71
5856. Aviation, Navy, 1925 (drafting, clerical, inspection, and messenger service)	75,310.05		75,310.05	47,913.07		123,223.12
5857. New buildings and improvements at Pearl Harbor, Hawaii	1,332.00	171,572.00	172,904.00			172,904.00
5858. New buildings and improvements at Coco Solo, Canal Zone	38,510.19	126,491.00	165,001.19			165,001.19
5859. New buildings and improvements at Pensacola, Fla	110,812.00	39,188.00	150,000.00			150,000.00
5894. Salaries, Bureau of Aeronautics, 1925	485.50		485.50			485.50
5863. Aviation, Navy, 1925 (balances transferred)		265,000.00	265,000.00			265,000.00
5864. Increase of the Navy (aeronautics allotment)	3,000,000.00		3,000,000.00			3,000,000.00
5865. Aquisition of sites, aviation, Navy	51,000.00		51,000.00			51,000.00
5901. Pay, Marine Corps, 1925	983,300.57		983,300.57	872,915.31		1,856,215.88
5902. General expenses, Marine Corps, 1925	2,422,199.18	1,315.16	2,423,514.34	*9,127 95*	5,349.75	2,409,036.64
5903. Pay, civilian employees, Marine Corps, 1925	555.98		555.98	*119.59*	434.60	1.79
5904. Reserve supplies, Marine Corps	1,361,306.63		1,361,306.63			1,361,306.63
Pay, Navy deposit fund	210,084.07		210,084.07	*226.54*	29,875.61	179,981.92
Pay, Marine Corps deposit fund	306,969.85		306,969.85	73,224.33	51,255.24	328,938.94

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1924

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
101. Pay, miscellaneous, 1924:						
1. Commissions and interest; transportation of funds and exchange	$53,990.37	$201.44	$54,191.81	$5.79	$2.98	$54,194.62
2. Mileage and actual personal expenses of officers while traveling; traveling expenses of female nurses; mileage of midshipmen entering Naval Academy	33,968.20	4,169.73	38,137.93	2,698.13	182.52	40,653.54
3. Traveling expenses of civilian employees	*16,198.69*		*16,198.69*	617.70		*15,580.99*
4. Rent of buildings and offices not in navy yards	13,853.60	3,000.00	16,853.60			16,853.60
5. Expenses of courts-martial, prisons and prisoners, courts of inquiry, expenses for interned persons and prisoners of war, including funeral expenses; cost of suits	742.52		742.52		4.24	738.28
6. Newspapers, periodicals, and all advertising for the Navy Department (except recruits)	1,378.98	66.65	1,645.63	*69.75*		1,575.88
7. Commissions, warrants, diplomas, and discharges; professional investigations; religious books; cost of special instruction at home	5,326.28	570.50	5,896.78	8.00		5,904.78
8. Cost of special instruction abroad, including maintenance of students and attachés; information from abroad and at home and the collection and classification thereof	5,331.20		5,331.20	*209.48*		5,121.72
9. Ice for cooling drinking water on shore (except naval hospitals)	23,064.61		23,064.61			23,064.61
10. Telephone rentals and tolls, telegrams, cablegrams	*10,139.58*	2,558.63	*7,580.95*	16,911.40		9,330.45
11. Postage, foreign and domestic, post-office box rentals; actual expenses of officers while on shore duty; hire of launches; relief of vessels in distress; recovery of valuables from shipwrecks; quarantine expenses; ferriage tolls (street car fares); copying; and other necessary and incidental expenses	10,584.74	512.25	11,096.99	47.64	*.48*	11,145.11
12. Clerical labor charged on rolls	8,871.70	131.32	9,003.02			9,003.02
13. Expenses of naval defense districts	4,236.06	93.45	4,329.51			4,329.51
14. Transportation of dependents of officers, etc	21,378.50		21,378.50	2,298.79	*21.80*	23,699.09
15. Claims for damages	242.55		242.55			242.55
16. Boards of inspection, examining boards (including expenses of all boards, except clerical employees who come under subhead No. 12)	129.11	245.47	374.58			374.58
4102. Contingent, Navy, 1924	13,768.77	1,548.10	15,316.87			15,316.87
4104. Care of lepers, etc., island of Guam, 1924	104.39		104.39	.09		104.48
4105. Experimental and research laboratory, 1924	2,989.13	154.97	3,144.10			3,144.10
4109. Increase of compensation, Navy Department, 1924	13,059.36		13,059.36			13,059.36
4110. Increase compensation, civilian employees, Naval Establishment, 1924	3,478.03		3,478.03	5,052.01		8,530.04
4174. Salaries, Office of the Secretary of the Navy, 1924	799.83		799.83			799.83

4175. Library, Navy Department, 1924	98.61		98.61			98.61
4177. Contingent expenses, Navy Department, 1924	909.71		909.71			909.71
4178. Printing and binding, Navy Department, 1924	35,670.92		35,670.92			35,670.92
4180. Salaries, office of naval records and library, 1924	80.78		80.78			80.78
4181. Naval records of war with Central Powers of Europe, 1924	29.37		29.37			29.37
4183. Salaries, Office of Judge Advocate General, United States Navy, 1924	121.56		121.56			121.56
4184. Salaries, Office of Chief of Naval Operations, 1924	369.21		369.21			369.21
4185. Salaries, Office of Director of Naval Communications, 1924	414.39		414.39			414.39
4186. Salaries, Office of Naval Intelligence, 1924	190.68		190.68			190.68
4201. Maintenance Yard and Docks, 1924	6,452.75	10,185.14	16,637.89	237.20		16,875.09
4203. Contingent, Yards and Docks, 1924	5,363.11	1,584.81	6,947.92			6,947.92
4209. Salaries Bureau Yards and Docks, 1924	63.66		63.66			63.66
4301. Contingent, Navigation, 1924	2,952.03		2,952.03			2,952.03
4302: Transportation, Navigation, 1924:						
1. Transportation of enlisted men	756,112.30	152.96	756,265.26	691.59	*68.90*	757,025.75
2. Transportation of dependents of enlisted men	*21,620.81*	7,593.28	*14,027.53*	1,888.80	5.41	*12,144.14*
3. Expenses of recruiting (other than transportation of enlisted men)	76,143.12	238.45	76,381.57	139.91		76,521.48
4305. Gunnery and engineering exercises, 1924	8,501.88	259.10	8,760.98	90.00	20.00	8,830.98
4309. Instruments and supplies, 1924	99,907.18	81,774.47	181,681.65	8,141.03		189,822.68
4310. Ocean and lake surveys, 1924	1,498.63	30.00	1,528.63			1,528.63
4311. Naval training station, Rhode Island, 1924	358.96		358.96			358.96
4312. Naval training station, Hampton Roads, Va., 1924	2,488.53		2,488.53			2,488.53
4313. Naval training station, Great Lakes, 1924	346.63		346.63			346.63
4314. Naval training station, California, 1924	643.78		643.78			643.78
4315. Naval War College, 1924:						
1. Maintenance and care of grounds	2,077.55		2,077.55			2,077.55
3. Services of civilian lecturer rendered at War College	150.00		150.00			150.00
4. Care and preservation of library, etc	1,128.65		1,128.65			1,128.65
4316. Naval Home, Philadelphia, Pa., 1924:						
1. Employees	840.22		840.22			840.22
2. Maintenance	9,415.16		9,415.16			9,415.16
4317. Pay, Naval Academy, 1924	42,872.41		42,872.41			42,872.41
4318. Current and miscellaneous expenses, Naval Academy, 1924:						
1. Text and reference books for instructors, etc	8,557.50	87.75	8,645.25			8,645.25
2. Purchase, binding, and repair of books for the library	260.52	10.00	270.52			270.52
3. Expenses of Board of Visitors	1,722.06		1,722.06			1,722.06
4319. Maintenance and repairs, Naval Academy, 1924:						
1. General purposes	10,208.31	549.12	10,757.43			10,757.43
2. Rent of buildings for the use of the academy and commutation of rent for bandsmen	1,927.71		1,927.71			1,927.71
4322. Organizing Naval Reserve Force, 1924:						
1. Travel of officers	10,079.99	14.52	10,094.51			10,094.51
2. Transportation of men	1,408.25	502.60	1,910.85	11.95		1,922.80
3. Administration and armories	4,200.00	32,614.27	36,814.27	19.75		36,834.02
4. Engineering	16,288.78	23,630.58	39,919.36	2,490.77		42,410.13
5. Construction and repair of vessels	17,830.11		17,830.11			17,830.11
7. Aviation	19,170.02	202,680.00	221,850.02			221,850.02
8. Medical Department	2,081.36		2,081.36			2,081.36
9. Pay, retainer pay	*129,576.35*		*129,576.35*	8,995.82	717.80	*121,298.33*
10. Officers, active duty (reserves)	2,860.38		2,860.38	20.00		2,880.38
11. Ship keepers (reserves)	*20,599.75*		*20,599.75*	*8,995.82*	*717.80*	*28,877.77*
12. Training pay (cruise)	101.83		101.83		*204.72*	306.55
13. Provisions, ship keepers (reserves)	17,557.96		17,557.96		150.00	17,407.96

Statement 24.—APPROPRIATION BALANCES—Continued

FISCAL YEAR 1924—Continued

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
4322. Organizing Naval Reserve Force, 1924—Continued.						
14. Provisions (cruise)	$22,483.97		$22,483.97	$119.00		$22,602.97
15. Maintenance, Supplies and Accounts	12,582.35		12,582.35			12,582.35
16. Fuel and transportation	13,658.48		13,658.48			13,658.48
17. Navigation (instruments and supplies)	6,881.61		6,881.61			6,881.61
4327. Recreation for enlisted men, Navy, 1924	24,405.26	$2,518.71	26,923.97		$0.53	26,923.44
4387. Salaries, Bureau of Navigation, 1924	743.07		743.07			743.07
4389. Salaries, Hydrographic Office, 1924	470.40		470.40			470.40
4390. Salaries, Naval Observatory, Navy Department, 1924	110.69		110.69			110.69
4391. Grounds and roads, Naval Observatory, 1924	22.94		22.94			22.94
4392. Salaries, Nautical Almanac Office, Navy Department, 1924	.05		.05			.05
4393. Contingent and miscellaneous expenses, Hydrographic Office, 1924	2,312.35	145.78	2,458.13	1,503.00		3,961.13
4395. Contingent and miscellaneous expenses, Naval Observatory, 1924	353.87		353.87			353.87
4397. Purchase of land, Naval Observatory, 1924	4,041.00		4,041.00			4,041.00
4401. Ordnance and ordnance stores, 1924:						
1. General purposes	47,230.57	158,935.72	206,166.29	50,671.50		256,837.79
2. Purchase and manufacture of smokeless powder	11,142.80	15,562.20	26,705.00			27,705.00
3. Ordnance for U. S. S. Maryland	14,462.01	130,013.85	144,475.86	86.27		144,562.13
4. Purchase and manufacture of torpedoes and appliances	4,462.19	34,000.00	38,462.19	630.00		39,092.19
4402. Contingent, ordnance, 1924	6,457.87	297.72	6,755.59			6,755.59
4406. Experiments, ordnance, 1924	4,042.48	3,788.99	7,831.47			7,831.47
4494. Salaries, Bureau of Ordnance, Navy Department, 1924	129.61		129.61			129.61
4501. Construction and Repair, 1924	125,962.10	35,559.41	161,521.51	7,678.08		169,199.59
4594. Salaries, Bureau of Construction and Repair, Navy Department, 1924	145.91		145.91			145.91
4601. Engineering, 1924:						
Subhead No. 1	75,981.64	288,362.39	364,344.03	6,640.71	*8.00*	370,992.74
Subhead No. 2	54,569.93	4,282.24	58,852.17	942.88		59,795.05
4602. Engineering Experimental Station, Annapolis, Md., 1924	2,709.54	2,535.00	5,244.54	*2,535.00*		2,709.54
4694. Salaries, Bureau of Engineering, 1924	4,012.96		4,012.96			4,012.96
4701. Pay of the Navy, 1924	7,734,147.70		7,734,147.70	*273,104.21*		7,461,043.49
3702. Provisions, Navy, 1923-24	156,133.70		156,133.70	2,171.96	65,831.76	92,473.90
4704. Maintenance, Supplies and Accounts, 1924	34,947.81	201.87	35,149.68	*99.31*	3.52	35,046.85
4705. Freight, Supplies and Accounts, 1924:						
1. General account	302,141.54	327,610.08	629,751.62	8,426.50	95.38	638,082.74
2. Transportation of effects of officers and men	11,391.76	39.77	11,431.53	285.24	*69.84*	11,786.61
4708. Fuel and transportation, 1924	2,356,686.45	1,050.50	2,357,736.95	311.59		2,358,048.54
4794. Salaries, Bureau of Supplies and Accounts, 1924	1,022.16		1,022.16			1,022.16
4163. Coast Guard, 1924	8,432.76		8,432.76			8,432.76

4165. Engineer operations in the field, 1924	9,620.00		9,620.00			9,620.00
4805. Medical and hospital services, 1924	3,905.04	31.50	3,936.54	.75		3,937.29
4875. Air Service, Army, 1924	.01	6,197.49	6,197.50	2,700.00		8,897.50
4801. Medical Department, 1924	114,824.07	8,766.08	123,590.15	19.56		123,609.71
4802. Contingent, Medicine and Surgery, 1924	40,333.95	42.00	40,375.95	431.57	*1.00*	40,808.52
4803. Bringing home remains of officers, etc., Navy Department, 1924	2.48		2.48	226.00		228.48
4804. Care of hospital patients, 1924	25,825.12		25,825.12	158.09		25,983.21
4825. Salaries, Bureau Medicine and Surgery, 1924	243.86		243.86			243.86
4852. Aviation, Navy, 1924 (new aircraft and equipment)	*246,795.66*	1,099,425.61	852,629.95	433,527.60		1,286,157.55
4853. Aviation, Navy, 1924 (navigation, radio, and photographic equipment)	10,856.18	2,970.45	13,826.63			13,826.63
4854. Aviation, Navy, 1924 (maintenance and repair)	276,269.45	37,333.64	313,603.09	20,064.05		333,667.14
4855. Aviation, Navy, 1924 (experiments and development)	*63,290.77*	66,216.11	2,925.34	25,703.87		28,629.21
4856. Aviation, Navy, 1924 (drafting, clerical, inspection, and messenger service)	44,016.74		44,016.74			44,016.74
4894. Salaries, Bureau of Aeronautics, 1924	3,118.28		3,118.28			3,118.28
4901. Pay, Marine Corps, 1924	1,380,345.72		1,380,345.72	*418,890.48*		961,455.24
4902. Maintenance, Quartermaster Department, Marine Corps, 1924	340,044.27	535.93	340,580.20	19,949.52	988.94	359,540.78

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3101. Pay, miscellaneous, 1923	*$16.00*		*$16.00*		$16.00	
3302. Transportation, Navigation, 1923	1.10		1.10		1.10	
3322. Organizing Naval Reserve Force, 1923	*122.00*		*122.00*	$120.00	*2.00*	
3401. Ordnance and ordnance stores, 1923	*2,901.11*	$69.00	*2,832.11*	2,802.00	*30.11*	
3701. Pay of the Navy, 1923	398,049.28		398,049.28	*397,502.61*		$546.67
3705. Freight, Supplies, and Accounts, 1923	*108.50*		*108.50*	108.50		
3901. Pay, Marine Corps, 1923	*14,400.95*		*14,400.95*	14,400.95		
3902. Maintenance, Quartermaster Department, Marine Corps, 1923	118.05		118.05	50.00	168.05	

CERTIFIED CLAIMS

Transportation, Navigation	$1,643.63		$1,643.63			$1,643.63
Pay of the Navy	1,210.73		1,210.73			1,210.73
Bounty for destruction of enemy vessels	.56		.56			.56
Indemnity for lost property, naval service	249.00		249.00			249.00

Statement 24.—APPROPRIATION BALANCES—Continued

MISCELLANEOUS

	Available (unobligated) balances	Unpaid obligations	Unexpended balances	Expenditures not settled by auditor	Reimbursements not settled by auditor	Treasury balance
	1	2	3	4	5	6
Bounty for destruction of enemies' vessels	$52,280.08		$52,280.08			$52,280.08
Claims for damages by collisions with naval vessels	405.21		405.21			405.21
Claims for damages, Navy Department (act Dec. 28, 1922)	4,926.04		4,926.04			4,926.04
Claims reported by Court of Claims under Bowman and Tucker Acts	649.22		649.22			649.22
Judgments, bounty for destruction of enemies' vessels	59,301.80		59,301.80			59,301.80
Judgments, Court of Claims, Navy	805,788.78		805,788.78			805,788.78
Judgments, United States courts, Navy	26,412.72		26,412.72			26,412.72
Navy Pension fund, interest	8,016.36		8,016.36			8,016.36
Navy Pension fund, principal trust fund	14,813,127.19		14,813,127.19		$1,113.88	14,812,013.31
Payment of certain claims arising under the Navy Department	2,372.59		2,372.59			2,372.59
Payment for certain services arising under the Navy Department	21.15		21.15			21.15
Payment of Japanese award	28,492.18		28,492.18			28,492.18
Prize money, Battle of Manila Bay	32,413.34		32,413.34			32,413.34
Prize money to captors	429,280.06		429,280.06			429,280.06
Prize money to captors, Spanish war	26,709.06		26,709.06			26,709.06
Reimbursement to enlisted men, Navy, for clothing and bedding destroyed	147.51		147.51			147.51
Relief of owners American schooner Walter B. Chester	269.64		269.64			269.64
Judgments, owners barkentine Mabel I. Meyers	1,058.88		1,058.88			1,058.88
Relief of Perry E. Borcheis	346.45		346.45			346.45
Reimbursement to certain persons for loss of private funds while patients at Naval Hospital, N. O. B., Hampton Roads, Va	105.00		105.00			105.00
Reimbursement to Gus Potter	113.00		113.00			113.00

RECAPITULATION

Total of appropriations and funds	$57,750,657.99	$76,873,042.20	$134,623,700.19	$14,027,392.86	$4,590,913.60	$144,060,179.45

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5101. PAY, MISCELLANEOUS, 1925:									
Amount appropriated	$2,550,552.45								
Miscellaneous collections	22,612.64								
Miscellaneous adjustments	463.00								
	2,573,628.09								
Expenditures by titles—									
A									$200.00
C	90,687.61			$500.00	$89,333.61	$853.60	$0.40		
E	137.50			137.50					
R	210.00			210.00					70.00
G	244,642.59	$177,376.14	$4,064.69	52,035.31	11,139.95			$26.50	15,918.78
S	219,238.50	146,661.86		31,078.52	41,460.96	14.10		23.06	73,993.37
V	1,475,961.41	304,419.86	486.84	15,403.28	1,137,116.72	477.04	18,145.93	*88.26*	26,363.25
O	12,853.04				12,853.04				
X	126,081.27				111,714.23			14,367.04	
Z	100.00	28.83	25.95	45.22					
Under absorbed	22.05		22.05						
Retirement fund deducted	*14,625.09*	*14,315.96*			*309.13*				
Proceeds of sales	.03				.03				
Transferred to retirement fund	12,000.00	12,000.00							
Indeterminate divided		2,394.01		2,205.52					
Total expenditures	2,167,308.91	628,564.74		101,615.35	1,403,309.41	1,344.74	18,146.33	14,328.34	116,545.40
Unexpended balance	406,319.18								
	2,573,628.09								
5102. CONTINGENT, NAVY, 1925:									
Amount appropriated	40,000.00								
Miscellaneous collections	13.43								
Miscellaneous adjustments	3.55								
	40,016.98								
Expenditures by titles—									
C	1,024.87				714.14	310.73			
S									1,013.53
V	24,278.34	208.85	73.01	8.18	23,560.90	427.40			473.92
O	66.25				66.25				
X	472.10				472.10				

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5102. CONTINGENT, NAVY, 1925—Contd.									
Under absorbed	$8.89		$8.89						
Retirement fund deducted	*7.04*	*$7.04*							
Transferred to retirement fund	7.04	7.04							
Inderterminate divided		74.23		$7.67					
Total expenditures	25,850.45	283.08		15.85	$24,813.39	$738.13			$1,487.45
Unexpended balance	14,166.53								
	40,016.98								
5104. CARE OF LEPERS, ETC., ISLAND OF GUAM, 1925:									
Amount appropriated	30,000.00								
Expenditures by titles—									
R									
S	21,529.57	20,236.15		795.25	227.50	270.67			25.00
V	4,475.17					4,465.08			859.07
O	1,634.18				1,634.18			$10.09	
X	884.07				884.07				
Total expenditures	28,522.99	20,236.15		795.25	2,745.75	4,735.75		10.09	884.07
Unexpended balance	1,477.01								
	30,000.00								
5105. EXPERIMENTAL AND RESEARCH LABORATORY, 1925:									
Amount appropriated	125,000.00								
Expenditures by titles—									
R	16,128.44	4,602.20		3,908.80	7,617.44				31,563.91
S	50,632.37	39,531.70		7,241.87	3,858.80				16,423.01
V	22,578.49	16,297.44	24.40	6,256.65					13,195.66
O	1,286.28				1,286.28				
X	14,800.22				15,187.62	160.00		*547.40*	
Over absorbed	*8.64*		*8.64*						
Retirement fund deducted	*1,388.96*	*1,388.96*							
Transferred to retirement fund	1,000.00	1,000.00							
Indeterminate divided		13.10		2.66					
Total expenditures	105,028.20	60,055.48		17,409.98	27,950.14	160.00		*547.40*	61,182.58

Unexpended balance	19,971.80									
	125,000.00									
5112. TEMPORARY GOVERNMENT FOR WEST INDIAN ISLANDS, 1925:										
Amount appropriated	270,150.00									
Expenditures by titles:										
S	270,150.00						$270,150.00			
5117. NAVY FINES AND FORFEITURES (SPECIAL FUND):										
Balance July 1, 1924	2,722,062.96									
Amount appropriated	1,419,046.77									
Miscellaneous collections	*366,337.54*									
	3,774,772.19									
Expenditures by titles—										
V	303,269.61				46,453.65		256,815.96			
O	87.00				87.00					
Total expenditures	303,356.61				46,540.65		256,815.96			
Reappropriated	1,500,000.00									
Unexpended balance	1,971,415.58									
	3,774,772.19									
4120. SCRAPPING OF NAVAL VESSELS, 1924-25:										
Amount appropriated	2,500,000.00									
Reappropriated	557,042.92									
Miscellaneus collections	14,531.23									
	3,071,574.15									
Expenditures by titles—										
A	82,487.77	8,926.39	4,731.31	46.97	68,783.10					
G	10,770.92	7,736.24	2,877.54	157.14						
S										
V	253,566.51	21,281.93	6,474.96	5,649.63	6,519.26	213,640.73				887.04
X	99,632.69				9,076.45	90,556.24				2,759.76
Retirement fund deducted	*1,245.40*	*1,245.40*								
Indeterminate divided		11,394.07		2,689.74						
	445,212.49	48,093.23		8,543.48	84,378.81	304,196.97				3,646.80
Miscellaneous expenditures	839,984.82									
Total expenditures	1,285,197.31									
Unexpended balance	1,786,376.84									
	3,071,574.15									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5124. IMPROVING AND EQUIPPING NAVY YARDS FOR CONSTRUCTION OF SHIPS:									
Balance July 1, 1924	$5,609.85								
Transferred to retirement fund	35.69	35.69							
Surplus fund	5,574.16								
	5,609.85								
5143. STATE MARINE SCHOOLS (ACT OF MAR. 4, 1911), 1925:									
Amount appropriated	75,000.00								
Expenditures by titles—									
V	75,000.00				$75,000.00				
5144. NAVAL EMERGENCY FUND:									
Balance July 1, 1924	*6,963,286.08*								
Miscellaneous collections	140,981.10								
Miscellaneous adjustments	25,977.22								
	6,796,327.76								
Expenditures by titles—									
A	271,060.21				255,858.37			$15,201.84	
B	*153.55*					*$153.55*			$212.50
S	9,849.60						$9,849.60		
V	783.45						783.45		
Transferred to retirement fund	8.82	$8.82							
Total expenditures	281,548.53	8.82			255,858.37	*153.55*	10,633.05	15,201.84	212.50
Unexpended balance	*7,077,876.29*								
	6,796,327.76								
1551. NAVAL EMERGENCY FUND (RESTORATION OF PROPERTY, VESSELS, ETC.):									
Balance July 1, 1924	7,385,555.35								
Miscellaneous adjustments	1,558.67								
	7,387,114.02								

Expenditures by titles—										
E	8,418.77	4,121.85		$4,296.92						130.00
G	1,962.52	1,739.92		222.60						
S	5,142.30	3,519.01		1,623.29						
V	21.14	21.14								
X	1,067.08				1,067.08					303.80
Retirement fund deducted	*231.88*	*231.88*								
Transferred to retirement fund	2,634.18	2,634.18								
Total expenditures	19,014.11	11,804.22		6,142.81	1,067.08					433.80
Unexpended balance	7,368,099.91									
	7,387,114.02									
5155. TEMPORARY CONCRETE OFFICE BUILDINGS, NAVY AND WAR DEPARTMENTS:										
Balance July 1, 1924	9,613.76									
Miscellaneous collections	8.80									
	9,622.56									
Expenditures by titles—										
V	7,949.76	50.66	$27.76		7,871.34					12.82
Overabsorbed	*4.05*		*4.05*							
Retirement fund deducted	*1.72*	*1.72*								
Transferred to retirement fund	225.74	225.74								
Indeterminate divided		18.96		4.75						
Total expenditures	8,169.73	293.64		4.75	7,871.34					12.82
Surplus fund	1,452.83									
	9,622.56									
5173. SALARIES, OFFICE OF SECRETARY OF THE NAVY, 1925–26:										
Amount appropriated	1,000.00									
Expenditures by titles—										
V	975.00						975.00			
Unexpended balance	25.00									
	1,000.00									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5174. SALARIES, OFFICE OF SECRETARY OF THE NAVY, 1925:									
Amount appropriated	$148,080.00								
Expenditures by titles—									
V	143,900.00						$143,900.00		
Transferred to retirement fund	3,071.50	$3,071.50							
Total expenditures	146,971.50	3,071.50					143,900.00		
Unexpended balance	1,108.50								
	148,080.00								
5175. LIBRARY, NAVY DEPARTMENT, 1925:									
Amount appropriated	2,000.00								
Expenditures by titles—									
V	1,900.00						1,900.00		
Unexpended balance	100.00								
	2,000.00								
4176. MONUMENT, CHARLES FORT, PARRIS ISLAND, S. C., 1924-25:									
Amount appropriated	10,000.00								
Expenditures by titles—									
S	97.84	97.84							
V	365.30				$365.30				
Retirement fund deducted	*2.45*	*2.45*							
	460.69	95.39			365.30				
Unexpended balance	9,539.31								
	10,000.00								
5177. CONTINGENT EXPENSES, NAVY DEPARTMENT, 1925:									
Amount appropriated	78,000.00								
Miscellaneous adjustments	14,895.01								
	92,895.01								

Expenditures by titles—										
S	1.00					$1.00				
V	82,804.52	533.76	$190.61	$34.93		45.22	82,000.00			$76.52
Overabsorbed	*10.07*		*10.07*							
Retirement fund deducted	*17.00*	*17.00*								
Indeterminate divided		150.91		29.63						
Total expenditures	82,778.45	667.67		64.56		46.22	82,000.00			76.52
Unexpended balance	10,116.56									
	92,895.01									
5178. PRINTING AND BINDING, NAVY DEPARTMENT, 1925:										
Amount appropriated	500,000.00									
Miscellaneous adjustments	7,559.47									
	507,559.47									
Expenditures by titles—										
V	375,000.00						375,000.00			69,433.97
Unexpended balance	132,559.47									
	507,559.47									
5180. SALARIES, OFFICE OF NAVAL RECORDS AND LIBRARY, 1925:										
Amount appropriated	24,840.00									
Expenditures by titles—										
V	24,200.00						24,200.00			
Transferred to retirement fund	621.00	621.00								
Total expenditures	24,821.00	621.00					24,200.00			
Unexpended balance	19.00									
	24,840.00									
5181. NAVAL RECORDS OF WAR WITH CENTRAL POWERS OF EUROPE, 1925:										
Amount appropriated	20,800.00									
Expenditures by titles—										
V	20,219.50						20,219.50			
Transferred to retirement fund	507.00	507.00								
	20,726.50	507.00					20,219.50			
Miscellaneous expenditures	63.91									
Total expenditures	20,790.41									
Unexpended balance	9.59									
	20,800.00									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowanees	Miscellaneous adjustments	A. P. A. material and statistical overhead
5183. SALARIES, OFFICE OF JUDGE ADVOCATE GENERAL, U. S. NAVY, 1925:									
Amount appropriated	$99,220.00								
Expenditures by titles—									
V	96,400.00						$96,400.00		
Transferred to retirement fund	2,100.50	$2,100.50							
Total expenditures	98,500.50	2,100.50					96,400.00		
Unexpended balanee	719.50								
	99,220.00								
5184. SALARIES, OFFICE OF CHIEF OF NAVAL OPERATIONS, 1925:									
Amount appropriated	66,840.00								
Expenditures by title—									
V	65,100.00						65,100.00		
Transferred to retirement fund	1,671.00	1,671.00							
Total expenditures	66,771.00	1,671.00					65,100.00		
Unexpended balanee	69.00								
	66,840.00								
5185. SALARIES, OFFICE OF DIRECTOR OF NAVAL COMMUNICATIONS, 1925:									
Amount appropriated	133,240.00								
Expenditures by title—									
V	126,500.00						126,500.00		
Transferred to retirement fund	3,271.00	3,271.00							
Total expenditures	129,771.00	3,271.00					126,500.00		
Unexpended balanee	3,469.00								
	133,240.00								

1586. SALARIES, OFFICE OF NAVAL INTELLIGENCE, 1925:									
Amount appropriated	42,820.00								
Expenditures by title—									
V	40,000.00						40,000.00		
Transferred to retirement fund	1,070.50	1,070.50							
Total expenditures	41,070.50	1,070.50					40,000.00		
Unexpended balance	1,749.50								
	42,820.00								
5187. SALARIES, GENERAL BOARD, NAVY DEPARTMENT, 925:									
Amount appropriated	9,720.00								
Expenditures by title—									
V	9,475.00						9,475.00		
Transferred to retirement fund	243.00	243.00							
Total expenditures	9,718.00	243.00					9,475.00		
Unexpended balance	2.00								
	9.720.00								
5188. SALARIES, NAVAL EXAMINING AND RETIRING BOARD, 1925:									
Amount appropriated	9,720.00								
Expenditures by title—									
V	9,477.00						9,477.00		
Transferred to retirement fund	243.00	243.00							
Total expenditures	9,720.00	243.00					9,477.00		
5189. SALARIES, COMPENSATION BOARD, NAVY DEPARTMENT, 1925:									
Amount appropriated	32,940.00								
Expenditures by title—									
V	28,400.00						28,400.00		
Transferred to retirement fund	823.50	823.50							
Total expenditures	29,223.50	823.50					28,400.00		
Unexpended balance	3,716.50								
	32,940.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5190. SALARIES, BOARD OF INSPECTION AND SURVEY, NAVY DEPARTMENT, 1925:									
Amount appropriated	$22,260.00								
Expenditures by title—									
B	21,700.00						$21,700.00		
Transferred to retirement fund	556.50	$556.50							
Total expenditures	22,256.50	556.50					21,700.00		
Unexpended balance	3.50								
	22,260.00								
5201. MAINTENANCE, BUREAU OF YARDS AND DOCKS, 1925:									
Amount appropriated	6,217,500.00								
Miscellaneous collections	6,041.01								
Miscellaneous adjustments	2,558.77								
	6,226,099.78								
Expenditures by titles—									
B	78.60					$78.60			$34,212.33
C	14,624.43	2,382.64			$18,811.13	3,882.35		$10,451.69	13,919.28
E	170,039.52	77,364.12	$34,168.23	$44,663.58	13,843.59				180,651.45
R	33,488.87	19,377.46		8,145.45	5,965.96				273,457.70
G	3,898,806.06	2,582,176.32	774,552.26	508,293.60	33,783.88				114,310.66
S	1,305,171.81	886,073.56		370,758.14	47,930.86	409.25			110,310.26
V	375,951.92	266,326.38	13,436.20	59,619.97	41,870.21	436.90		5,737.74	65,515.95
O	8,940.40				8,840.40		100.00		
X	135,276.66				201,217.35	1,655.28		67,595.97	21,879.53
Z	1,765.89	1,365.80	100.37	299.72					2,566.23
Underabsorbed	24,378.67		24,378.67						
Retirement fund deducted	*103,266.60*	*102,904.54*			*362.06*				
Transferred to retirement fund	75,000.00	75,000.00							
Indeterminate divided		660,136.28		186,499.45					
Total expenditures	5,940,256.23	4,467,298.02		1,178,279.91	371,901.32	6,462.38	100.00	*83,785.40*	748,398.73
Unexpended balance	285,843.55								
	6,226,099.78								

5203. CONTINGENT, BUREAU OF YARDS AND DOCKS, 1925:										
Amount appropriated	175,000.00									
Expenditures by titles—										
E	13,077.08	5,691.89	2,677.35	4,707.84						12,625.45
R	164.10	124.80		39.30						2,100.13
G	42,268.11	23,086.01	9,982.27	7,988.93	1,210.90					1,663.57
S	56,162.32	37,635.13		14,160.78	4,366.41					1,740 96
V	737.51	383.08	48.20	306.23						28.71
O	2,439.10				2,439.10					
X	12,316.23				12,316.23					
Underabsorbed	176.07		176.07							
Retirement fund deducted	*1,199.92*	*1,199.92*								
Transferred to retirement fund	800.00	800.00								
Indeterminate divided		10,592.42		2,291.47						
Total expenditures	126,940.60	77,113.41		29,494.55	20,332.64					18,158.82
Unexpended balance	48,059.40									
	175,000.00									
4205. FISHERY RIGHTS, PEARL HARBOR, HAWAII, 1924–25:										
Amount appropriated	5,000.00									
Expenditures by title—										
X	3,327.75				3,327.75					
Unexpended balance	1,672.25									
	5,000.00									
5208. SUBMARINE AND DESTROYER BASE, COLUMBIA RIVER:										
Balance July 1, 1924	36,967.83									
Expenditures by titles—										
R	7,405.35				7,405.35					
S	986.40	986.40								9,256.95
X	2,173.77				2,173.77					
Retirement fund deducted	*24.66*	*24.66*								
Transferred to retirement fund	72.49	72.49								
Total expenditures	10,613.35	1,034.23			9,579.12					9,256.95
Unexpended balance	26,354.48									
	36,967.83									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowanees	Miseellaneous adjustments	A. P. A. material and statistical overhead
5209. SALARIES, BUREAU OF YARDS AND DOCKS, 1925:									
Amount appropriated	$237,480.00								
Miscellaneous collections	3,445.97								
	240,925.97								
Expenditures by title—									
V	234,500.00						$234,500.00		
Transferred to retirement fund	5,904.00	$5,904.00							
Total expenditures	240,404.00	5,904.00					234,500.00		
Unexpended balance	521.97								
	240,925.97								
5211 AMMUNITION DEPOT, PUGET SOUND, WASHINGTON:									
Balance July 1, 1924	5,246.48								
Expenditures by titles—									
E	197.58	112.14	$43.51	$41.93					$21.80
R	76.92	76.92							4,944.38
S	4,725.00				$4,725.00				
X	*5.64*	*5.64*							
Retirement fund deducted	38.40	38.40							
Transferred to retirement fund		37.24		6.27					
Indeterminate divided	5,032.26	259.06		48.20	4,725.00				4,966.18
Miseellaneous expenditures	195.00								
Total expenditures	5,227.26								
Surplus fund	19.22								
	5,246.48								

5212. TRAINING STATION, SAN DIEGO, CALIF.:										
Balanee July 1, 1924	122,393.18									
Amount appropriated	40,000.00									
	162,393.18									
Expenditures by titles—										
R	9,045.10			355.90	8,689.20					16,757.16
S	2,041.74			419.84	1,621.90					*197.52*
O	7,880.54				7,880.54					
X	16,539.64				16,933.16				*$393.52*	
Transferred to retirement fund	12.38	12.38								
	35,519.40	12.38		775.74	35,124.80				*393.52*	16,559.64
Miseellaneous expenditures	187.50									
Total expenditures	35,706.90									
Unexpended balance	126,686.28									
	162,393.18									
5213. NAVAL STATION, ST. THOMAS, VIRGIN ISLANDS:										
Amount appropriated	3,500.00									
Expenditures by titles—										
R	2,625.00				2,625.00					
Unexpended balanee	875.00									
	3,500.00									
5215. NAVY YARD, PORTSMOUTH, N. H.:										
Balance, July 1, 1924	78.86									
Amount appropriated	40,000.00									
	40,078.86									
Expenditures by titles—										
E	673.09	379.96	116.32	120.71	56.10					10,985.66
R	10,003.73	4,206.43	2,316.16	3,481.14						11.44
G										
V										
X	6,182.22				6,182.22					57,957.27
Under-absorbed	1.50		1.50							
Retirement fund deducted	*158.04*	*158.04*								
Transferred to retirement fund	202.28	202.28								
Indeterminate divided		1,767.71		666.27						
Total expenditures	16,904.78	6,398.34		4,268.12	6,238.32					68,954.37
Unexpended balanee	23,174.08									
	40,078.86									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5216. NAVY YARD, BOSTON, MASS.:									
Balance July 1, 1924	$73,534.05								
Amount appropriated	220,000.00								
	293,534.05								
Expenditures by titles—									
E	22,798.68	$2,188.76	$1,033.95	$661.31	$18,914.66				$44,776.48
G	60,701.42	22,707.03	8,876.14	12,474.25	16,644.00				*28,317.02*
S	1,019.62	270.72		*61.23*	810.13				245.56
O	25,749.28				25,749.28				
X	689.61				689.61				
Under-absorbed	546.08		546.08						
Retirement fund deducted	*826.26*	*826.26*							
Transferred to retirement fund	1,008.02	1,008.02							
Indeterminate divided		8,787.52		1,668.65					
Total expenditures	111,686.45	34,135.79		14,742.98	62,807.68				16,705.02
Unexpended balance	181,847.60								
	293,534.05								
5217. NAVAL AMMUNITION DEPOT, MARE ISLAND, CALIF:									
Balance July 1, 1924	5,564.05								
Expenditures by titles—									
R									
Z	32.37	22.32	10.05						100,906.91
Retirement fund deducted	*.75*	*.75*							
Transferred to retirement fund	26.10	26.10							
Indeterminate divided		8.04		2.01					
Total expenditures	57.72	55.71		2.01					100,906.91
Unexpended balance	5,506.33								
	5,564.05								
5218. NAVY YARD, NEW YORK, N. Y.:									
Balance July 1, 1924	148,137.63								
Amount appropriated	71,000.00								
	219,137.63								

Expenditures by titles—									
E	35,990.38	16,639.12	9,253.48	5,375.18	4,722.60				30,361.23
G	46,408.55	2,508.73	1,227.48	192.82	42,479.52				1,670.00
X	28,336.19				28,336.19				
Over-absorbed	*802.84*		*802.84*						
Retirement fund deducted	*685.44*	*685.44*							
Transferred to retirement fund	787.07	787.07							
Indeterminate divided		8,096.82		1,581.30					
Total expenditures	110,033.91	27,346.30		7,149.30	75,538.31				32,031.23
Unexpended balance	109,103.72								
	219,137.63								
5219. NAVY YARD, PHILADELPHIA, PA.:									
Balance July 1, 1924	8,629.37								
Amount appropriated	50,000.00								
Miscellaneous collections	3,840.09								
	62,469.46								
Expenditures by titles—									
E	10,688.70	4,662.75	2,845.54	3,180.41					3,013.50
G	1,440.10	744.23	306.03	389.84					24,845.04
S	360.76	325.66		35.10					
X	24,845.04				24,845.04				
Under-absorbed	61.60		61.60						
Retirement fund deducted	*205.12*	*205.12*							
Transferred to retirement fund	74.22	74.22							
Indeterminate divided		2,599.96		613.21					
Total expenditures	37,265.30	8,201.70		4,218.56	24,845.04				27,858.54
Surplus fund	6,046.81								
Unexpended balance	19,157.35								
	62,469.46								
5220. NAVY YARD, WASHINGTON, D. C.:									
Balance July 1, 1924	120,837.20								
Amount appropriated	50,000.00								
	170,837.20								
Expenditures by titles—									
E	21,934.48	8,233.14	5,864.86	3,740.70	4,095.78				12,401.54
G	33,415.18	13,375.92	10,278.33	9,760.93					2,129.16
X	6,754.07				6,754.99			*$0.92*	
Over-absorbed	*1,715.35*		*1,715.35*						
Retirement fund deducted	*835.43*	*835.43*							
Transferred to retirement fund	1,079.78	1,079.78							
Indeterminate divided		12,056.30		2,371.54					
Total expenditures	60,632.73	33,909.71		15,873.17	10,850.77			*.92*	14,530.70
Surplus fund	17,564.36								
Unexpended balance	92,640.11								
	170,837.20								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5221. NAVY YARD, NORFOLK, VA.:									
Balance July 1, 1924	$72,554.86								
Amount appropriated	50,000.00								
Miscellaneous collections	5.76								
	122,560.62								
Expenditures by titles—									
E	75,978.83	$37,534.68	$18,629.72	$19,814.43					$23,956.05
O	4,957.70						$4,957.70		
X	2,181.54				$2,181.54				
Under-absorbed	1,026.44		1,026.44						
Retirement fund deducted	*1,320.66*	*1,320.66*							
Transferred to retirement fund	2,071.57	2,071.57							
Indeterminate divided		15,487.99		4,168.17					
Total expenditures	84,895.42	53,773.58		23,982.60	2,181.54		4,957.70		23,956.05
Unexpended balance	37,665.20								
	122,560.62								
5222. NAVY YARD, CHARLESTON, S. C.:									
Balance July 1, 1924	42,732.17								
Amount appropriated	30,000.00								
	72,732.17								
Expenditures by titles—									
E	11,342.50	2,704.68	971.50	649.20	1,992.52		5,024.60		7,700.31
G	35,313.15	16,332.12	16,200.11	2,259.54	521.38				3,682.37
X	10,182.55				10,182.55				
Over-absorbed	*988.06*		*988.06*						
Retirement fund deducted	*749.37*	*749.37*							
Transferred to retirement fund	1,033.86	1,033.86							
Indeterminate divided		11,143.32		5,040.23					
Total expenditures	56,134.63	30,464.61		7,948.97	12,696.45		5,024.60		11,382.68
Surplus fund	7,303.29								
Unexpended balance	9,294.25								
	72,732.17								

5223. NAVAL STATION, KEY WEST, FLA.:									
Balance July 1, 1924	14,064.28								
Expenditures by titles—									
R	3,257.05	1,851.75		1,405.30					
Retirement fund deducted	*39.66*	*39.66*							
Transferred to retirement fund	60.08	60.08							
Total expenditures	3,277.47	1,872.17		1,405.30					
Surplus fund	2,873.23								
Unexpended balance	7,913.58								
	14,064.28								
5225. NAVAL STATION, NEW ORLEANS, LA.:									
Balance, July 1, 1924	1.13								
Transferred to retirement fund	1.13	1.13							
	1.13	1.13							
5226. NAVY YARD, MARE ISLAND, CALIF.:									
Balance, July 1, 1924	420,895.36								
Amount appropriated	785,500.00								
Miscellaneous adjustments	72.43								
	1,206,467.79								
Expenditures by titles—									
E	386,403.08	209,767.31	88,018.69	88,617.08					290,346.70
G	43,793.08	27,592.69	11,544.52	4,655.87					7,478.47
S	6,488.16			470.00	6,018.16				
O	15,135.22				15,135.22				
X	231,884.33				231,884.33				
Z									
Under-absorbed	5,354.11		5,354.11						32,034.76
Retirement fund deducted	*7,944.95*	*7,944.95*							
Transferred to retirement fund	14,189.04	14,189.04							
Indeterminate divided		82,611.98		22,305.34					
Total expenditures	695,302.07	326,216.07		116,048.29	253,037.71				329,859.93
Surplus fund	249.24								
Unexpended balance	510,916.48								
	1,206,467.79								
5227. NAVY YARD, PUGET SOUND, WASH.:									
Balance, July 1, 1924	137,064.63								
Amount appropriated	350,000.00								
Miscellaneous adjustments	80.00								
	487,144.63								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5227. NAVY YARD, PUGET SOUND, WASH — Continued.									
Expenditures by titles—									
E	$62,815.52	$18,838.07	$8,019.68	$6,274.37	$29,683.40				$101,503.06
G	703.96	392.80	206.85	104.31					
S	260.00	160.00		100.00					
V	80.00						$80.00		
O	88,748.05				88,748.05				
X	61,555.62				61,555.62				
Retirement fund deducted	*643.64*	*643.64*							
Transferred to retirement fund	2,169.14	2,169.14							
Indeterminate divided		6,682.50		1,544.03					
Total expenditures	215,688.65	27,598.87		8,022.71	179,987.07		80.00		101,503.06
Surplus fund	8.15								
Unexpended balance	271,447.83								
	487,144.63								
5228. NAVAL STATION, CAVITE, P. I.:									
Balance July 1, 1924	28,564.51								
Amount appropriated	141,000.00								
	169,564.51								
Expenditures by titles—									
E	78,392.85	24,536.40	26,319.31	27,537.14					20,847.68
G	24,261.78	7,016.15	6,429.84	10,815.79					6,208.95
S	878.09	745.52		132.57					
X	13,797.89				13,797.89				
Indeterminate divided		19,649.47		13,099.68					
Total expenditures	117,330.61	51,947.54		51,585.18	13,797.89				27,056.63
Unexpended balance	52,233.90								
	169,564.51								
5229. NAVAL STATION, ISLAND OF GUAM:									
Balance July 1, 1924	31,612.45								
Amount appropriated	33,000.00								
Miscellaneous collections	18.00								

	64,630.45								
Expenditures by titles—									
R	18,890.99	12,053.91		6,837.08					34,149.86
S	1,974.80	1,974.80							
V	9.80	9.80							.49
X	16,015.41				16,015.41				
Z	1,194.42	283.53	204.48	706.41					4,919.28
Over-absorbed	.43		.43						
Retirement fund deducted	*11.33*	*11.33*							
Transferred to retirement fund	222.92	222.92							
Indeterminate divided		163.03		41.02					
Total expenditures	38,296.58	14,696.66		7,584.51	16,015.41				39,069.63
Surplus fund	3.15								
Unexpended balance	26,330.72								
	64,630.45								
5230. Naval Station, Guantanamo, Cuba:									
Balance July 1, 1924	44,175.60								
Amount appropriated	14,000.00								
Miscellaneous collections	25.92								
	58,201.52								
Expenditures by titles—									
R	8,637.58	7,650.74		986.84					5,744.14
V	17.20	17.20							
X	22,428.56				22,328.81	$99.75			
Retirement fund deducted	.43	.43							
Transferred to retirement fund	.43	.43							
Total expenditures	31,083.34	7,667.94		986.84	22,328.81	99.75			5,744.14
Unexpended balance	27,118.18								
	58,201.52								
5232. Naval Station, Pearl Harbor, Hawaii:									
Balance July 1, 1924	616,331.64								
Amount appropriated	198,000.00								
Miscellaneous collections	2,700.00								
	817,031.64								
Expenditures by titles—									
E	214,076.05	82,635.06	37,461.59	66,367.25	27,612.15				276,794.58
O	27,648.60				24,948.60		2,700.00		
X	267,409.18				267,409.18				
Z	3,016.33	1,174.03	1,111.65	730.65					

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5232. NAVAL STATION, PEARL HARBOR, HAWAII—Continued.									
Under-absorbed	$3,854.14		$3,854.14						
Retirement fund deducted	*2,935.48*	*$2,935.48*							
Transferred to retirement fund	6,196.82	6,196.82							
Indeterminate divided		35,670.71		$6,756.67					
Total expenditures	519,265.64	122,741.14		73,854.57	$319,969.93		$2,700.00		$276,794.58
Surplus fund	36.70								
Unexpended balance	297,729.30								
	817,031.64								
5233. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS:									
Balance July 1, 1924	19,778.15								
Expenditures by titles—									
R	14,556.83	11,411.28		3,145.55					1,528.51
S	*670.59*	*622.00*		*48.59*					
X	1,528.51				1,528.51				
Retirement fund deducted	*269.13*	*269.13*							
Transferred to retirement fund	407.24	407.24							
Total expenditures	15,552.86	10,927.39		3,096.96	1,528.51				1,528.51
Unexpended balance	4,225.29								
	19,778.15								
5236. NAVAL MAGAZINE, NEW YORK HARBOR:									
Balance July 1, 1924	10,279.45								
Expenditures by titles—									
S	90.00	90.00							
X	2,760.23				2,760.23				
Z	6,733.54	6,453.01		280.53					2,848.22
Retirement fund deducted	*164.56*	*164.56*							
Transferred to retirement fund	126.89	126.89							
Total expenditures	9,546.10	6,505.34		280.53	2,760.23				2,848.22
Unexpended balance	733.35								
	10,279.45								

5238. NAVAL MAGAZINE, DOVER, N. J.:										
Balance July 1, 1924	9,857.56									
Expenditures by titles—										
S	4,420.46	2,121.30		2,299.16						
Retirement fund deducted	*53.04*	*53.04*								
Transferred to retirement fund	105.79	105.79								
Total expenditures	4,473.21	2,174.05		2,299.16						
Unexpended balance	5,384.35									
	9,857.56									
5239. NAVAL MAGAZINE, FT. MIFFLIN, PA.:										
Balance July 1, 1924	298,936.00									
Unexpended balance	298,936.00									
5242. NAVAL MAGAZINE, PUGET SOUND, WASH.:										
Balance July 1, 1924	40.99									
Miscellaneous adjustments	195.00									
	235.99									
Transferred to retirement fund	22.25	22.25								
Surplus fund	213.74									
	235.99									
5243. AMMUNITION DEPOT, PEARL HARBOR, HAWAII:										
Balance July 1, 1924	146,056.19									
Expenditures by titles—										
E	11,934.30	4,396.16	1,857.81	5,680.33						
R	20,520.00				20,520.00					57,872.18
O	*14,859.45*				*14,859.45*					
X	73,218.33				73,218.33					
Under-absorbed	595.99		595.99							
Retirement fund deducted	*167.54*	*167.54*								
Transferred to retirement fund	372.08	372.08								
Indeterminate divided		2,418.04		35.76						
Total expenditures	91,613.71	7,018.74		5,716.09	78,878.88					57,872.18
Surplus fund	4,580.51									
Unexpended balance	49,861.97									
	146,056.19									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5244. NAVAL MAGAZINE, KUAHUA, HAWAII:									
Balance July 1, 1924	$2,543.89								
Expenditures by titles—									
R	644.52						$644.52		
Unexpended balance	1,899.37								
	2,543.89								
5245. SUBMARINE BASE, PEARL HARBOR, HAWAII:									
Balance July 1, 1924	106,026.62								
Amount appropriated	50,000.00								
	156,026.62								
Expenditures by titles—									
E	88,257.52	$50,683.63	$3,925.38	$33,648.51					$100,278.07
X	14,287.76				$14,287.76				
Under-absorbed	343.49		343.49						
Retirement fund deducted	*1,332.73*	*1,332.73*							
Transferred to retirement fund	1,335.29	1,335.29							
Indeterminate divided		3,529.10		739.77					
Total expenditures	102,891.33	54,215.29		34,388.28	14,287.76				100,278.07
Unexpended balance	53,135.29								
	156,026.62								
5248. MARINE BARRACKS, QUANTICO, VA.:									
Balance July 1, 1924	42,447.14								
Expenditures by titles—									
R	258.00				258.00				
Transferred to retirement fund	8.72	8.72							
Total expenditures	266.72	8.72			258.00				
Unexpended balance	42,180.42								
	42,447.14								

5251. DEPOTS FOR COAL:										
Balance July 1, 1924	364,517.60									
Miscellaneous adjustment	15,500.00									
	380,017.60									
Expenditures by titles—										
E	111.93	*142.60*	*5.18*	259.71						72.18
R	2,851.00	2,205.07		645.93						84,24.322
G	3,251.83	1,726.59	728.65	796.59						
S	*2,851.00*	*2,205.07*		*645.93*						1,100.00
V	15,500.00				15,500.00					
X	*62,469.88*				1,100.00		*63,569.88*			
Under-absorbed	83.89		83.89							
Retirement fund deducted	*57.66*	*57.66*								
Transferred to retirement fund	290.15	290.15								
Indeterminate divided		759.80		47.56						
Total expenditures	*43,289.74*	2,576.28		1,103.86	16,600.00		*63,569.88*			85,494.60
Surplus fund	412,841.71									
Unexpended balance	10,465.63									
	380,017.60									
5252. NAVAL COAL DEPOT, MELVILLE STATION, R. I.:										
Balance July 1, 1924	15,000.00									
Unexpended balance	15,000.00									
5253. BUILDINGS AND GROUNDS, NAVAL ACADEMY:										
Balance July 1, 1924	62,045.97									
Expenditures by titles—										
R	20,513.45	4,497.89		1,565.21			14,450.35			2,886.82
S	583.76	237.44		346.32						
X	1,927.26				1,927.26					
Retirement fund deducted	*114.16*	*114.16*								
Transferred to retirement fund	246.76	246.76								
Total expenditures	23,157.07	4,867.93		1,911.53	1,927.26		14,450.35			2,886.82
Surplus fund	20,722.75									
Unexpended balance	18,166.15									
	62,045.97									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5254. NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS:									
Balance July 1, 1924	$55,632.21								
Amount appropriated	115,000.00								
Balance in hands of O. G. D	5,000.00								
	175,632.21								
Expenditures by titles—									
R	6,385.62				$6,385.62				
G	142.50	$102.82	$39.68						$9,773.68
S	9,599.60	9,436.40		$163.20					
O	1,385.10				1,385.10				6,802.41
X	14,106.23				14,106.23				
Over-absorbed	*.65*		*.65*						
Retirement fund deducted	*80.90*	*80.90*							
Transferred to retirement fund	39.35	39.35							
Indeterminate divided		36.14		2.89					
Total expenditures	31,576.85	9,533.81		166.09	21,876.95				16,576.09
Surplus fund	461.37								
Unexpended balance	143,593.99								
	175,632.21								
5255. NAVAL AMMUNITION DEPOT, IONA ISLAND, N. Y.:									
Balance July 1, 1924	10,016.84								
Expenditures by titles—									
S	8,961.02	8,740.72		220.30					
X	409.82				409.82				492.92
Retirement fund deducted	*218.51*	*218.51*							
Transferred to retirement fund	157.64	157.64							
Total expenditures	9,309.97	8,697.85		220.30	409.82				492.92
Unexpended balance	706.87								
	10,016.84								

5258. NAVAL PROVING GROUND, INDIAN HEAD, MD.:									
Balance July 1, 1924	43,350.43								
Expenditures by titles—									
R	2,595.00				2,595.00				2,595.00
X	8.62	8.62							
Transferred to retirement fund									
Total expenditures	2,603.62	8.62			2,595.00				2,595.00
Surplus fund	38,224.04								
Unexpended balance	2,522.77								
	43,350.43								
5259. NAVAL AMMUNITION DEPOT, LAKE DENMARK, N. J.:									
Balance July 1, 1924	8,805.14								
Expenditures by titles—									
S	2,914.60	2,810.73		103.87					
Retirement fund deducted	*70.27*	*70.27*							
Transferred to retirement fund	90.09	90.09							
Total expenditures	2,934.42	2,830.55		103.87					
Unexpended balance	5,870.72								
	8,805.14								
5260. NAVAL AMMUNITION DEPOT, FT. LAFAYETTE, N. Y.:									
Balance July 1, 1924	960.00								
Expenditures by titles—									
S	960.00								685.34
Surplus fund									
5261. NAVAL HOSPITAL, NORFOLK, VA.:									
Balance July 1, 1924	450.00								
Unexpended balance	450.00								
5266. NAVAL HOSPITAL, SAN DIEGO, CALIF.:									
Balance July 1, 1924	489,800.16								
Expenditures by titles—									
R	142,040.98				142,040.98				
S	132.60					$132.60			230,073.69
O	12,627.54				12,627.54				
X	230,040.09				230,040.09				
Total expenditures	384,841.21				384,708.61	132.60			230,073.69
Unexpended balance	104,958.95								
	489,800.16								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5267. NAVAL HOSPITAL, PUGET SOUND, WASH.:									
Balance July, 1924	$15.78								
Transferred tc retirement fund	15.78								
5268. BRIDGE, NAVY YARD, PORTSMOUTH, N. H.:									
Balance July 1, 1924	44,937.81								
Expenditures by titles—									
E	226.43				$226.43				$534.60
X	534.60				534.60				
Transferred to retirement fund	69.03	$69.03							
Total expenditures	830.06	69.03			761.03				534.60
Unexpended balance	44,107.75								
	44,937.81								
5269. NAVAL TORPEDO STATION, KEYPORT, WASH.:									
Balance July 1, 1924	1,925.90								
Amount appropriated	85,000.00								
	86,925.90								
Expenditures by titles—									
E	3,450.22	647.82	$324.49	$2,477.91					5,661.67
R	13,770.85	6,227.52		550.11	6,993.22				7,450.12
O	11,530.35				11,530.35				
X	5,428.13				5,428.13				
Retirement fund deducted	*176.07*	*176.07*							
Transferred to retirement fund	160.65	160.65							
Indeterminate divided		260.21		64.28					
Total expenditures	34,164.13	7,120.13		3,092.30	23,951.70				13,111.79
Unexpended balance	52,761.77								
	86,925.90								

5270. NAVAL STATION, TUTUILA, SAMOA:										
Amount appropriated	87,000.00									
Expenditures by titles—										
S	13,524.12	7,393.18		6,130.94						
V	18.20	12.80		5.40						.91
O	478.00				478.00					
X	16,730.82				16,730.82					
Retirement fund deducted	*9.72*	*9.72*								
Transferred to retirement fund	5.14	5.14								
Total expenditures	30,746.56	7,401.40		6,136.34	17,208.82					.91
Unexpended balance	56,253.44									
	87,000.00									
5272. MARINE RECRUITING STATION, PORT ROYAL, S. C.:										
Balance July 1, 1924	18,954.46									
Expenditures by titles—										
R	1,313.30				1,313.30					
Transferred to retirement fund	39.16	39.16								
Total expenditures	1,352.46	39.16			1,313.30					
Unexpended balance	17,602.00									
	18,954.46									
5274. NAVAL FUEL DEPOT, SAN DIEGO, CALIF.:										
Balance July 1, 1924	1,576.73									
Amount appropriated	60,000.00									
	61,576.73									
Expenditures by titles—										
R										1,536.16
X	1,536.16				1,536.16					
Transferred to retirement fund	12.91	12.91								
Total expenditures	1,549.07	12.91			1,536.16					1,536.16
Surplus fund	27.66									
Unexpended balance	60,000.00									
	61,576.73									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5275. NAVAL STATION, SAN DIEGO, CALIF.:									
Amount appropriated	$155,000.00								
Expenditures by titles—									
R	1,366.04	$726.96			$639.08				$1,029.02
S	1,202.38	1,202.38							
X	1,029.02				1,029.02				
Z	85.57	28.92	$12.82	$43.83					
Overabsorbed	*2.18*		*2.18*						
Retirement fund deducted	*49.15*	*49.15*							
Transferred to retirement fund	49.15	49.15							
Indeterminate divided		8.97		1.67					
Total expenditures	3,680.83	1,967.23		45.50	1,668.10				1,029.02
Unexpended balance	151,319.17								
	155,000.00								
5278. SUPPLY DEPOT, MARINE CORPS, SAN FRANCISCO, CALIF.:									
Amount appropriated	500,000.00								
Expenditures by titles—									
E	104,654.95				104,654.95				150.00
O	104,678.75				104,678.75				
X	125,886.77				125,886.77				
Z									125,886.77
Total expenditures	335,220.47				335,220.47				126,036.77
Unexpended balance	164,779.53								
	500,000.00								
5280. EXPERIMENTAL AND RESEARCH LABORATORY:									
Balance July 1, 1924	125,834.36								
Expenditures by titles—									
R	20,855.30	2,322.07		88.56	21,292.62		*$2,847.95*		43,855.20
S	1,924.64.	1,566.64			358.00				
V	909.33	909.33							66.80
O	455.36				455.36				
X	11,133.64.				11,598.64			*$465.00*	

Retirement fund deducted	*120.72*	*120.72*							
Transferred to retirement fund	276.40	276.40							
	35,433.95	4,953.72		88.56	33,704.62		*2,847.95*	*465.00*	43,922.00
Miscellaneous expenditures	2,847.87								
Total expenditures	38,281.82								
Unexpended balance	87,552.54								
	125,834.36								
5284. MARINE BARRACKS, SAN DIEGO, CALIF.:									
Balance July 1, 1924	573,239.12								
Miscellaneous collections	.01								
Miscellaneous adjustments	1,600.07								
	574,839.20								
Expenditures by titles—									
R	275,833.64	5.20			275,828.44				
O	27,913.44				27,913.44				179,588.35
X	179,548.35				179,548.35				
Retirement fund deducted	*.13*	*.13*							
Transferred to retirement fund	27.04	27.04							
Total expenditures	483,322.34	32.11			483,290.23				179,588.35
Unexpended balance	91,516.86								
	574,839.20								
5287. SUBMARINE BASE, NEW LONDON, CONN.:									
Balance July 1, 1924	4,642.27								
Expenditures by titles—									
R	*3,674.00*			*3,674.00*					
S									
X	1,065.00				1,065.00				1,065.00
Total expenditures	*2,609.00*			*3,674.00*	1,065.00				1,065.00
Surplus fund	7,251.27								
	4,642.27								
5288. QUARTERS FOR MARINE GUARDS AT NAVAL MAGAZINES:									
Balance July 1, 1924	4,894.97								
Expenditures by titles—									
S									
Transferred to retirement fund	11.84	11.84							301.00
Surplus fund	4,883.13								
	4,894.97								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5290. POWER PLANTS AND DISTRIBUTING SYSTEMS, NAVY YARDS AND STATIONS:									
Balance July 1, 1924	$5,486.67								
Surplus fund	5,486.67								
5291. ORDNANCE STORAGE:									
Balance July 1, 1924	8.66								
Expenditures by titles—									
V	2,121.05						$2,121.05		
Transferred to retirement fund	8.66	$8.66							
Total expenditures	2,129.71	8.66					2,121.05		
Surplus fund	*2,121.05*								
	8.66								
5292. NAVAL OPERATING BASE, HAMPTON ROADS, VA.:									
Balance July 1, 1924	104,436.98								
Miscellaneous collections	4,254.41								
Miscellaneous adjustments	84.63								
	108,776.02								
Expenditures by titles—									
R									$47.50
S	4,756.11	4,561.19		$194.92					4,876.14
X	4,549.17				$4,549.17				
Retirement fund deducted	*112.45*	*112.45*							
Transferred to retirement fund	189.50	189.50							
Total expenditures	9,382.33	4,638.24		194.92	4,549.17				4,923.64
Surplus fund	21.71								
Unexpended balance	99,371.98								
	108,776.02								

5293. HOSPITALS AND MEDICAL SUPPLY DEPOTS:										
Balance July 1, 1924	2,774,318.31									
Miscellaneous collections	291.59									
Miscellaneous adjustments	160.00									
	2,774,769.90									
Expenditures by titles—										
E	66,699.53	41,690.38	$17,418.26	5,187.62	2,403.27					13,247.47
R	124.40	124.40								292,966.31
G	1,600.00	1,600.00								37,505.82
S	6,339.01	5,084.59		418.51				835.91		9,013.60
V										160.00
O	1,661.80				1,661.80					
X	13,525.09				13,570.20					
Z	6,250.40	2,946.65	1,640.27	1,663.48				*45.11*		
Retirement fund deducted	*1,651.24*	*1,651.24*								775.61
Transferred to retirement fund	7,225.13	7,225.13								
Indeterminate divided		15,527.96		3,530.57						
Total expenditures	101,774.12	72,547.87		10,800.18	17.635.27			790.80		353,668.82
Surplus fund	1,800,040.00									
Unexpended balance	872,955.78									
	2,774,769.90									
5294. HANDLING APPLIANCES AT NAVY YARDS:										
Balance July 1, 1924	2,208.27									
Expenditure by titles—										
E	1,080.69	618.28	213.28	249.13						
G	752.47	465.84	201.80	84.83						266.59
Under-absorbed	209.62		209.62							
Retirement fund deducted	*41.03*	*41.03*								
Transferred to retirement fund	95.44	95.44								
Indeterminate divided		612.04		12.66						
Total expenditures	2,097.19	1,750.57		346.62						
Surplus fund	111.08									266.59
	2,208.27									
5295. NAVAL TRAINING CAMPS:										
Balance July 1, 1924	179,501.06									
Miscellaneous collections	2,081.47									
	181,582.53									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5295. NAVAL TRAINING CAMPS—Contd.									
Expenditures by titles—									
S									$1,170.00
Transferred to retirement fund	$77.87	$77.87							
Miscellaneous expenditures	1,600.07								
Total expenditures	1,677.94	77.87							1,170.00
Unexpended balance	179,904.59								
	181,582.53								
5297. IMPROVEMENTS AT ORDNANCE STATIONS:									
Balance July 1, 1924	613,136.49								
Expenditures by titles—									
E	8,400.20	3,757.79	$1,565.40	$3,077.01					2,897.10
R									8,374.51
S	362.20	362.20							2,873.50
V	6.40	6.40							
X	1,262.90				$1,262.90				
Z	944.89	505.95	317.14	121.80					
Underabsorbed	86.18		86.18						
Retirement fund deducted	*154.34*	*154.34*							
Transferred to retirement fund	1,402.32	1,402.32							
Indeterminate divided		1,596.33		372.39					
Total expenditures	12,310.75	7,476.65		3,571.20	1,262.90				14,145.11
Surplus fund	300,000.00								
Unexpended balance	300,825.74								
	613,136.49								
5298. TEMPORARY STORAGE FACILITIES:									
Balance July 1, 1924	15,930.12								
Transferred to retirement fund	244.28	244.28							
Surplus fund	15,685.84								
	15,930.12	244.28							

5299. NAVAL AIR STATION SITE, CAPE MAY, N. J.:									
Balance July 1, 1924	329,263.33								
Unexpended balance	329,263.33								
5301. CONTINGENT, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	18,000.00								
Miscellaneous adjustments	96.80								
	18,096.80								
Expenditures by titles—									
B									74.97
C	484.20					$484.20			
V	5,305.01			215.53	3,195.82	1,893.66			35.21
X	*252.81*					19.35		*$272.17*	
Total expenditures	5,536.40			215.53	3,195.82	2,397.21		*272.16*	110.18
Unexpended balance	12,560.40								
	18,096.80								
5302. TRANSPORTATION, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	3,600,000.00								
Miscellaneous collections	92,885.73								
	3,692,885.73								
Expenditures by titles—									
C	376.41					376.41			
R									62.00
S	1,763.01	97.44		960.67	704.90				44.00
V	2,294,803.34	1,288.35	25.99	4,148.68	1,275,761.61	6,810.82	$1,006,745.62	22.27	26,132.18
O	48.67				48.67				
X	28,360.42				28,185.82			174.60	
Overabsorbed	*1.47*		*1.47*						
Retirement fund deducted	*34.25*	*34.25*							
Transferred to retirement fund	21.35	21.35							
Indeterminate divided		21.68		2.84					
	2,325,337.48	1,394.57		5,112.19	1,304,701.00	7,187.23	1,006,745.62	196.87	26,238.18
Miscellaneous expenditures	7,400.44								
Total expenditures	2,332,737.92								
Unexpended balance	1,360,147.81								
	3,692,885.73								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5305. GUNNERY AND ENGINEERING EXERCISES, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	$95,000.00								
Miscellaneous collections	20.00								
Miscellaneous adjustments	963.50								
	95,983.50								
Expenditures by titles—									
C	1,927.83				$825.99	$1,101.84			
S	4,628.46	$722.67		$3,773.79	132.00				$5,779.52
V	29,897.39	187.72	$169.49	4.75	8,364.42	5.78	$21,069.50	$95.73	2,234.62
O	88.00				88.00				
X	7,331.27				6,805.96	13.98		511.33	
Overabsorbed	*41.32*		*41.32*						
Retirement fund deducted	*15.40*	*15.40*							
Transferree to retirement fund	200.00	200.00							
Indeterminate divided		109.64		18.53					
Total expenditures	44,016.23	1,204.63		3,797.07	16,216.37	1,121.60	21,069.50	607.06	8,014.14
Unexpended balance	51,967.27								
	95,983.50								
5309. INSTRUMENTS AND SUPPLIES, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	640,000.00								
Miscellaneous collections	3,924.55								
	643,924.55								
Expenditures by titles—									
B	316,450.65					316,450.65			*401,842.93*
C	162,482.39				7,217.96	155,264.43			66,843.63
D	16,413.60	3,138.26	1,280.85	10,320.36	905.96	768.17			41,688.80
K	47,919.56	1,211.60	498.71	21,141.87		25,067.38			57,803.32
P	31,935.64	14,023.51	7,093.78	1,594.26	1,303.50	7,920.59			12,667.81
E	464.95	241.62	70.79	152.54					1,751.98
R	370.00			370.00					9,067.21
G	44,971.91	35,693.54	4,432.21	4,831.16	15.00				12,790.81
S	8,721.03	2,914.24		4,686.04	871.09	249.66			11,721.01

V	83,051.66	60,601.70	8,637.08	4,383.32	6,844.45	2,585.11			80,306.31
O	363.50				363.50				
X	*279,330.21*				21,328.00	7,197.97		*307,856.18*	278,824.88
Z	94.61			94.61					504.33
Underabsorbed	738.39		738.39						
Retirement fund deducted	*3,211.59*	*3,211.59*							
Transferred to retirement fund	2,360.85	2,360.85							
Indeterminate divided		18,135.60		4,616.21					
Total expenditures	433,796.94	135,109.33		52,190.37	38,849.46	515,503.96		*307,856.18*	172,127.16
Unexpended balance	210,127.61								
	643,924.55								
5310. Ocean and Lake Surveys, Bureau of Navigation, 1925:									
Amount appropriated	85,000.00								
Expenditures by titles—									
B	7,024.97					7,024.97			195.23
C	45,558.79				20,450.26	25,108.53			
P	18.25				2.50	15.75			
S	72.47					72.47			
V	7,905.41	1,262.82		*208.07*	6,738.78	9.50	102.38		*868.61*
X	*1,047.24*				1,271.32	69.26		*2,387.82*	
Retirement fund deducted	*480.17*	*31.30*			*448.87*				
Transferred to retirement fund	465.00	465.00							
	59,517.48	1,696.52		*208.07*	28,013.99	32,300.48	102.38	*2,387.82*	*673.38*
Miscellaneous expenditures	200.19								
Total expenditures	59,717.67								
Unexpended balance	25,282.33								
	85,000.00								
5311. Naval Training Station, Rhode Island, Bureau of Navigation, 1925:									
Amount appropriated	250,000.00								
Expenditures by titles—									
R	1,640.00				1,640.00				55,028.80
S	231,967.05	54,279.33		176,677.45	1,010.27				12,459.07
O	1,506.78				1,506.78				
X	11,482.94				11,482.94				
Retirement fund deducted	*1,336.96*	*1,336.96*							
Transferred to retirement fund	1,021.63	1,021.63							
Total expenditures	246,281.44	53,964.00		176,677.45	15,639.99				67,487.87
Unexpended balance	250,000.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5312. NAVAL TRAINING STATION, HAMPTON ROADS, VA. BUREAU OF NAVIGATION, 1925:									
Amount appropriated	$260,000.00								
Miscellaneous collections	6,612.67								
Miscellaneous adjustments	11,456.09								
	278,068.76								
Expenditures by titles—									
R	3,012.95	$2,139.20		$873.75					$29,113.93
S	267,127.59	85,071.10		182,056.49					26,222.06
X	6,165.99				$6,165.99				
Retirement fund deducted	*2,148.54*	*2,148.54*							
Transferred to retirement fund	1,586.77	1,586.77							
Total expenditures	275,744.76	86,648.53		182,930.24	6,165.99				55,335.99
Unexpended balance	2,324.00								
	278,068.76								
5313. NAVAL TRAINING STATION, GREAT LAKES, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	250,000.00								
Expenditures by titles—									
R	37.50				37.50				102.50
S	246,896.76	173,729.10		66,079.99	7,087.67				24,747.03
V	32.00						$32.00		
O	2,753.47				2,753.47				
X	*20,933.41*				24,784.53			*$45,717.94*	
Retirement fund deducted	*3,521.10*	*3,521.10*							
Transferred to retirement fund	2,751.36	2,751.36							
Total expenditures	228,016.58	172,959.36		66,079.99	34,663.17		32.00	*45,717.94*	24,849.53
Unexpended balance	21,983.42								
	250,000.00								
5314. NAVAL TRAINING STATION, CALIFORNIA, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	150,000.00								

Expenditures by titles—										
R	700.60			700.60						4,158.50
S	138,888.76	21,158.05		112,417.00	5,313.71					11,762.36
O	1,305.45				1,305.45					
X	6,864.00				6,914.18				*50.18*	
Retirement fund deducted	*529.39*	*529.39*								
Transferred to retirement fund	426.93	426.93								
Total expenditures	147,656.35	21,055.59		113,117.60	13,533.34				*50.18*	15,920.86
Unexpended balance	2,343.65									
	150,000.00									
5315. NAVAL WAR COLLEGE, BUREAU OF NAVIGATION, 1925:										
Amount appropriated	100,000.00									
Miscellaneous collections	9.12									
	100,009.12									
Expenditures by titles—										
R	561.43			500.43	61.00					800.00
S	86,927.02	73,005.62		10,027.51	3,893.89					3,546.69
O	3,645.62				3,645.62					
X	3,546.69				3,546.69					
Retirement fund deducted	*1,744.24*	*1,744.24*								
Transferred to retirement fund	1,760.50	1,760.50								
Total expenditures	94,697.02	73,021.88		10,527.94	11,147.20					4,346.69
Unexpended balance	5,312.10									
	100,009.12									
5316. NAVAL HOME, PHILADELPHIA, PA., 1925:										
Amount appropriated	177,550.00									
Miscellaneous collections	68.16									
	177,618.16									
Expenditures by titles—										
R	334.27	176.41		157.86						49.31
S	132,586.67	73,667.84		16,606.39	31,219.35	$11,840.39			*747.30*	24,032.27
V	83.53				83.53					
O	4,684.22				4,684.22					
X	25,328.85				24,081.58				1,247.27	
Retirement fund deducted	*1,548.85*	*1,548.85*								
Transferred to retirement fund	1,186.75	1,186.75								
Total expenditures	162,655.44	73,482.15		16,764.25	60,068.68	11,840.39			499.97	24,081.58
Unexpended balance	14,962.72									
	177,618.16									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5317. PAY, NAVAL ACADEMY, 1925:									
Amount appropriated	$845,657.00								
Expenditures by titles—									
S	815,590.40	$815,590.40							
Retirement fund deducted	*11,778.17*	*11,778.17*							
Transferred to retirement fund	8,759.23	8,759.23							
Total expenditures	812,571.46	812,571.46							
Unexpended balance	33,085.54								
	845,657.00								
5318. CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY, 1925:									
Amount appropriated	91,000.00								
Expenditures by titles—									
R									$396.25
S	33,819.70	20,498.61		$13,255.71	$48.23		$17.15		36,405.84
V	5,116.74				4,719.24			$397.50	
O	14.15				14.15				
X	35,158.56				35,158.56				
Retirement fund deducted	*510.35*	*510.35*							
Transferred to retirement fund	483.12	483.12							
Total expenditures	74,081.92	20,471.38		13,255.71	39,940.18		17.15	397.50	36,802.09
Unexpended balance	16,918.08								
	91,000.00								
5319. MAINTENANCE AND REPAIRS, NAVAL ACADEMY, 1925:									
Amount appropriated	1,063,500.00								
Miscellaneous collections	1,973.80								
Miscellaneous adjustments	479.00								
	1,065,952.80								

Expenditures by titles—										
R	5,308.64				5,308.64					6,994.00
S	859,335.61	630,283.13		219,521.63		$14.35	9,516.50			123,255.30
V	245.66	212.04		12.80	60.02				*39.20*	
O	1,652.69				1,652.69					
X	100,910.86				123,758.37		*17.00*		*22,830.51*	
Retirement fund deducted	*15,379.62*	*15,379.62*								
Transferred to retirement fund	12,093.03	12,093.03								
Total expenditures	964,166.87	627,208.58		219,534.43	130,779.72	14.35	9,499.50		*22,869.71*	130,249.30
Unexpended balance	101,785.93									
	1,065,952.80									
5322. ORGANIZING THE NAVAL RESERVE FORCE, 1925:										
Amount appropriated	3,900,000.00									
Miscellaneous collections	10,438.63									
Miscellaneous adjustments	34,037.26									
	3,944,475.89									
Expenditures by titles—										
B	121,252.76					121,252.76				92,082.54
C	437,157.85	427.23	$207.22	40.95	1,152.44	433,271.22	2,058.79			84.98
D	355,407.14	185,211.92	101,488.61	38,885.41	555.29	29,265.91				102,800.65
K	39,767.68	20,265.27	11,005.36	5,351.74	88.25	3,057.06				6,722.06
P	25,166.47	10,102.58	5,520.65	4,034.88	302.80	5,205.56				2,390.34
R	5,016.55	2,891.85	1,406.15	718.55						62.00
G	13,590.78	467.28		13,123.50						6.00
S	2,013,454.35	34,349.08	7,084.25	42,394.04	133,182.16	15,593.20	1,753,929.95	26,921.67		1,194.02
V	126,982.98				4,714.84	6,006.07		116,262.07		127,816.19
X	1,238.21	854.44		383.77						291.60
Z	*3,323.91*		*3,323.91*							
Overabsorbed	*8,626.16*	*8,626.16*								
Retirement fund deducted	4,361.01	4,361.01								
Transferred to retirement fund		98,315.65		25,072.68						
Intermediate divided										
Total expenditures	3,131,445.71	348,620.15		130,005.52	139,995.78	613,651.78	1,755,988.74	143,183.74		333,450.38
Unexpended balance	813,030.18									
	3,944,475.89									
5327. RECREATION FOR ENLISTED MEN, NAVY, 1925:										
Amount appropriated	500,000.00									
Miscellaneous collections	365.93									
Miscellaneous adjustments	1,296.87									
	501,662.80									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5327. RECREATION FOR ENLISTED MEN, NAVY, 1925—Continued.									
Expenditures by titles—									
B									$82.49
C	$60,373.44				$58,664.94	$1,708.50			
E	7,776.39	$1,999.67	$896.09	$4,880.63					1,082.55
R	140.00			140.00					
G	7,965.77	3,691.91	2,304.35	1,917.36	52.15				182.02
S	19,662.04	16,910.13		2,683.02	68.89				1,190.18
V	294,591.82	29,925.16	3,686.17	1,109.49	232,218.64	27,932.73		*$280.37*	68,262.48
O	*125.00*				*125.00*				
X	33,091.28				28,013.76	5,335.53		*258.01*	
Z	150.68	74.86	45.75	30.07					
Underabsorbed	52.07		52.07						
Retirement fund deducted	*1,363.48*	*1,293.56*			*69.92*				
Transferred to retirement fund	1,174.65	1,174.65							
Indeterminate divided		4,909.91		2,074.52					
Total expenditures	423,489.66	57,392.73		12,835.09	318,823.46	34,976.76		*538.38*	70,799.72
Unexpended balance	78,173.14								
	501,662.80								
5387. SALARIES, BUREAU OF NAVIGATION, 1925:									
Amount appropriated	425,000.00								
Expenditures by titles—									
V	414,364.50						$414,364.50		
Transferred to retirement fund	10,625.00	10,625.00							
Total expenditures	424,989.50	10,625.00					414,364.50		
Unexpended balance	10.50								
	425,000.00								
5389. SALARIES, HYDROGRAPHIC OFFICE, 1925:									
Amount appropriated	300,000.00								

Expenditures by titles—										
V	292,500.00							292,500.00		
Transferred to retirement fund	7,500.00	7,500.00								
Total expenditures	300,000.00	7,500.00						292,500.00		
5390. SALARIES, NAVAL OBSERVATORY, 1925:										
Amount appropriated	79,260.00									
Expenditures by titles—										
S	77,200.00							77,200.00		
Transferred to retirement fund	1,981.50	1,981.50								
Total expenditures	79,181.50	1,981.50						77,200.00		
Unexpended balance	78.50									
	79,260.00									
5391. GROUNDS AND ROADS, NAVAL OBSERVATORY, 1925:										
Amount appropriated	7,410.00									
Expenditures by titles—										
S	7,200.00							7,200.00		
Transferred to retirement fund	121.50	121.50								
Total expenditures	7,321.50	121.50						7,200.00		
Unexpended balance	88.50									
	7,410.00									
5392. SALARIES, NAUTICAL ALMANAC OFFICE, 1925:										
Amount appropriated	30,960.00									
Expenditures by titles—										
V	29,600.00							29,600.00		
Transferred to retirement fund	774.00	774.00								
Total expenditures	30,374.00	774.00						29,600.00		
Unexpended balance	586.00									
	30,960.00									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5393. CONTINGENT AND MISCELLANEOUS EXPENSES, HYDROGRAPHIC OFFICE, 1925:									
Amount appropriated	$122,490.00								
Expenditures by titles—									
B	47.00					$47.00			
V	89,574.30	$686.24	$386.14	$415.26		86.66	$88,000.00		$170.55
Overabsorbed	*104.58*		*104.58*						
Retirement fund deducted	*22.04*	*22.04*							
Transferred to retirement fund	813.00	813.00							
Indeterminate divided		201.17		80.39					
	90,307.68	1,678.37		495.65		133.66	88,000.00		170.55
Miscellaneous expenditures	13,028.63								
Total expenditures	103,336.31								
Unexpended balance	19,153.69								
	122,490.00								
5395. CONTINGENT AND MISCELLANEOUS EXPENSES, NAVAL OBSERVATORY, 1925:									
Amount appropriated	41,500.00								
Expenditures by titles—									
S	20,587.08					87.08	20,500.00		
V	655.98	600.80		55.18					
Z	21.89	13.28	7.97	.64					
Retirement fund deducted	*15.39*	*15.39*							
Transferred to retirement fund	258.00	258.00							
Indeterminate divided		6.53		1.44					
	21,507.56	863.22		57.26		87.08	20,500.00		
Miscellaneous expenditures	186.69								
Total expenditures	21,694.25								
Unexpended balance	19,805.75								
	41,500.00								

4396. ADMINISTRATIVE EXPENSES, WORLD WAR ADJUSTED COMPENSATION ACT, NAVY DEPARTMENT, 1924-25:										
Amount appropriated	450,000.00									
Expenditures by titles—										
V	81,000.00						81,000.00			
Miscellaneous expenditures	178,164.47									
Total expenditures	259,164.47						81,000.00			
Amount reappropriated	190,835.53									
	450,000.00									
5396. ADMINISTRATIVE EXPENSES, WORLD WAR ADJUSTED COMPENSATION ACT, NAVY DEPARTMENT, 1925-26:										
Amount appropriated	190,835.53									
Miscellaneous collections	4,172.21									
	195,007.74									
Expenditures by titles—										
V	22,000.00						22,000.00			
Miscellaneous expenditures	9,045.85									
Total expenditures	31,045.85						22,000.00			
Unexpended balance	163,961.89									
	195,007.74									
5401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1925:										
Amount appropriated	9,797,000.00									
Miscellaneous collections	6,895.59									
	9,803,895.59									
Expenditures by titles—										
A	905.64	905.64								12,000.00
B	8,123.40					8,123.40				239,640.72
C	192,661.23			750.00	$224.15	191,677.48	9.60			5,775,633.86
D	54,357.84	33,502.69	14,251.51	4,186.18	75.00	2,342.46				70,514.75
K	154,989.72	83,220.62	43,557.62	27,339.65		871.83				158,028.92
P	423,012.74	273,451.80	119,292.95	20,613.44		9,654.55				129,859.63
E	12,951.48	5,320.65	2,547.52	5,083.31						9,729.49
R	9,251.74	1,558.01		621.24	7,072.49					156,866.59
G	1,033,209.56	929,604.96	63,821.38	39,496.72	286.50					56,354.91
S	2,684,282.29	2,295,186.14		355,350.77	33,286.73	9.65	449.00			680,637.63
V	1,539,129.68	1,095,785.91	219,720.51	196,555.13	26,743.09	149.75	9.10	$166.19		1,423,287.39
O	2,971.58				2,971.58					
X	502,124.78				545,456.33	20,992.58		*64,324.13*		6,916,359.43
Z	1,822,439.12	1,210,259.73	215,485.47	396,693.92						1,337,477.30

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1925—Con.									
Overabsorbed	*$68,515.10*		*$68,515.10*						
Retirement fund deducted	*156,630.43*	*$156,630.43*							
Transferred to retirement fund	148,000.00	148,000.00							
Indeterminate divided		479,836.28		$130,325.58					
	8,363,265.27	6,400,002.00		1,177,015.94	$616,115.87	$233,821.70	$467.70	*$64,157.94*	$16,966,390.62
Miscellaneous expenditures	890.68								
Total expenditures	8,364,155.95								
Balance in hands of other Government departments	10,766.44								
Unexpended balance	1,428,973.20								
	9,803,895.59								
5405. TORPEDOES AND APPLIANCES, BUREAU OF ORDNANCE:									
Amount appropriated	850,000.00								
Expenditures by titles—									
B									10.98
V	115,847.68	98,494.40		17,353.28					103,490.09
X	4,582.14				4,582.14				
Z	59,199.16	53,019.12	229.64	5,950.40					44,670.44
Overabsorbed	*20.13*		*20.13*						
Retirement fund deducted	*3,784.22*	*3,784.22*							
Transferred to retirement fund	4,000.00	4,000.00							
Indeterminate divided		164.86		44.65					
Total expenditures	179,824.63	151,894.16		23,348.33	4,582.14				148,171.51
Unexpended balance	670,175.37								
	850,000.00								
5406. EXPERIMENTS, BUREAU OF ORDNANCE, 1925:									
Amount appropriated	195,000.00								

Expenditures by titles—									
G	21,109.73	21,109.73							
S	3,073.64	3,073.64							
V	155,596.38	130,374.94	1,960.25	21,609.11	1,381.91	270.17			130,999.13
X	3,456.84				3,471.78			*14.94*	
Z	355.91	211.63	113.88	30.40					
Overabsorbed	*786.39*		*786.39*						
Retirement fund deducted	*3,870.42*	*3,870.42*							
Transferred to retirement fund	2,890.42	2,890.42							
Indeterminate divided		892.23		395.51					
Total expenditures	181,826.11	154,682.17		22,035.02	4,853.69	270.17		*14.94*	130,999.13
Unexpended balance	13,173.89								
	195,000.00								
5415. ALTERATIONS TO NAVAL VESSELS (ORDNANCE ALLOTMENT):									
Amount appropriated	300,000.00								
Unexpended balance	300,000.00								
5421. AMMUNITION FOR SHIPS FOR THE NAVY:									
Balance July 1, 1924	25,347.88								
Miscellaneous collections	75.06								
Miscellaneous adjustments	18,379.13								
	43,802.07								
Expenditures by titles—									
C									56.00
X	1,520.00				1,520.00				
Unexpended balance	42,282.07								
	43,802.07								
5427. PROJECTILE PLANT, NAVY:									
Balance July 1, 1924	18,665.39								
Miscellaneous adjustments	51,025.70								
Unexpended balance	69,691.09								
5428. ARMOR PLANT, NAVY:									
Balance July 1, 1924	522,683.82								
Miscellaneous adjustments	46,683.43								
	569,367.25								
Surplus fund	450,000.00								
Unexpended balance	119,367.25								
	569,367.25								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5429. BATTERIES FOR MERCHANT AUXILIARIES:									
Balance July 1, 1924	$3,476.31								
Surplus fund	3,476.31								
5436. NAVY MINE DEPOT:									
Balance July 1, 1924	*838.44*								
Amount reappropriated	14,696.49								
	13,858.05								
Expenditures by titles—									
B									$35.39
R									13,018.05
V	240.00				$240.00				
X	13,018.05				13,018.05				
Miscellaneous expenditures	13,258.05 600.00				13,258.05				13,053.44
Total expenditures	13,858.05								
5444. INCREASING FACILITIES FOR PROOF AND TEST OF ORDNANCE MATERIAL, NAVY:									
Balance July 1, 1924	30.53								
Surplus fund	30.53								
5450. INCREASE OF THE NAVY (ORDNANCE ALLOTMENT):									
Balance July 1, 1924	5,846,543.34								
Balance in hands of other Government departments	172,980.00								
Amount reappropriated	9,140,000.00								
Miscellaneous collections	162,441.86								
	15,321,965.20								

Expenditures by titles—									
A	64,629.37	$33,791.03	$17,608.78	$2,312.37	10,528.92		$388.27		*3,258,806.99*
B	12,905.17					$12,905.17			11,832,231.36
C	688.42				688.42				
P	250.00				250.00				150.00
R	177.73						177.73		
G	161,146.98	158,497.31	828.61	1,784.45	33.09		3.52		10,559.05
S	1,168.22	769.63		398.59					2.67
V	234,961.52	197,000.21	5,520.43	25,848.06	6,592.82				389,502.38
O	*33.09*				*33.09*				
X	2,037,946.23				2,079,671.32	1,504.78	5,755.26	*$48,985.13*	
Z	3,178,460.18	1,630,698.42	846,367.90	701,393.86					4,492,538.03
Overabsorbed	*71,987.58*		*71,987.58*						
Retirement fund deducted	*66,715.48*	*66,715.48*							
Transferred to retirement fund	22,797.88	22,797.88							
Indeterminate divided		656,989.03		141,349.11					
Total expenditures	5,576,395.55	2,633,828.03		873,086.44	2,097,731.48	14,409.95	6,324.78	*48,985.13*	13,466,176.50
Balance in hands of other Government departments	1,864,071.40								
Unexpended balance	7,881,498.25								
	15,321,965.20								
5494. SALARIES, BUREAU OF ORDNANCE, 1925:									
Amount appropriated	142,600.00								
Expenditures by title—									
V	137,700.00						137,700.00		
Transferred to retirement fund	3,470.00	3,470.00							
Total expenditures	141,170.00	3,470.00					137,700.00		
Unexpended balance	1,430.00								
	142,600.00								
5501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1925:									
Amount appropriated	15,605,000.00								
Miscellaneous collections	9,353.34								
Miscellaneous adjustments	5,992.86								
	15,620,346.20								
Expenditures by titles—									
A	171,912.17	171,894.04	5.62	12.51					3.12
B	2,108,103.17				250.00	2,107,853.17			*2,842,269.30*
C	2,573,279.68	5,460.78	2,300.85	862.13	8,668.41	2,555,983.91	3.60		1,422,801.07
D	4,263,079.07	1,969,117.39	1,205,922.64	629,643.20	193,886.73	264,509.11			1,118,008.18

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1925—Continued.									
Expenditures by titles—Continued.									
K	$1,834,937.62	$1,010,456.82	$480,261.41	$326,009.93	$1,309.15	$16,900.31			$349,892.22
P	567,951.57	245,724.35	138,455.63	78,498.60	1,679.76	103,593.23			67,711.91
E	125,916.04	57,381.94	30,692.46	37,041.64	800.00				242,510.22
R	25,812.82	10,347.62		15,465.20					498,145.17
G	2,138,286.84	1,680,692.86	303,395.62	154,104.94	93.42				29,527.72
S	558,457.47	233,339.46		324,439.96	596.59	81.46			197,406.86
V	1,334,974.25	700,873.99	244,316.60	237,273.71	130,616.94	21,816.84	$29.89	$46.28	241,017.46
X	*850,923.55*				27,149.23	29,287.42		*907,360.20*	1,403,757.37
Z	194,499.61	93,959.95	72,765.10	27,774.56					4,377.29
Underabsorbed	31,944.11		31,944.11						
Retirement fund deducted	*192,483.69*	*192,432.65*			*51.04*				
Transferred to retirement fund	170,000.00	170,000.00							
Indeterminate divided		1,987,073.92		522,986.12					
Total expenditures	15,055,747.18	8,143,890.47		2,354,112.50	364,999.19	5,100,025.45	33.49	*907,313.92*	2,732,889.29
Balance in hands of other Government departments	90,500.00								
Unexpended balance	474,099.02								
	15,620,346.20								
5510. INCREASE OF THE NAVY (CONSTRUCTION AND REPAIR AND ENGINEERING ALLOTMENT):									
Balance July 1, 1924	12,966,530.96								
Amount appropriated	22,450,000.00								
Amount reappropriated	13,360,000.00								
Miscellaneous collections	226,030.48								
	49,002,561.44								
Expenditures by titles—									
A	25,159,718.13	3,953,307.31	1,739,088.01	1,737,395.69	19,246,501.85	61,824.50	*105,353.79*	*1,473,045.44*	*301,672.14*
B	2,084,031.53				*5,290.00*	2,089,242.85	78.68		895.75
D	30.32	20.14	10.18						3.56
K	152,695.49	67,480.08	29,393.22	44,822.19		11,000.00			19,565.23
P	176.62				176.62				

E	7,536.43	4,855.62	1,479.88	1,200.93					804.68
R	*10,000.00*				*10,000.00*				
G	53,475.76	30,420.86	9,512.36	13,542.54					612.39
S	1,090.57			189.01	901.56				
V	7,190.68	7,079.53	2,359.23	1,151.49	5,510.90	198.00	*9,108.47*		5,598.63
X	1,000,224.58				778,232.47	157,144.06	9,198.20	55,649.85	
Z	312,069.58	115,853.72	61,095.81	135,120.05					2,428,705.69
Underabsorbed	42,578.64		42,578.64						
Retirement fund deducted	*141,858.09*	*141,858.09*							
Transferred to retirement fund	141,698.02	141,698.02							
Indeterminate divided		1,577,952.42		307,564.91					
	28,810,658.26	5,756,809.61		2,240,986.81	20,016,033.40	2,319,409.41	*105,185.38*	*1,417,395.59*	2,154,513.79
Miscellaneous expenditures	22,968.36								
Total expenditures	28,833,626.62								
Unexpended balance	20,168,934.82								
	49,002,561.44								
5515. ALTERATIONS TO NAVAL VESSELS (CONSTRUCTION AND REPAIR AND ENGINEERING ALLOTMENT):									
Amount appropriated	700,000.00								
Expenditures by titles—									
K	216,585.82	115,053.52	54,799.27	46,733.03					45,640.63
Retirement fund deducted	*3,954.73*	*3,954.73*							
Transferred to retirement fund	201.82	201.82							
Indeterminate divided		43,663.01		11,136.26					
Total expenditures	212,832.91	154,963.62		57,869.29					45,640.63
Unexpended balance	487,167.09								
	700,000.00								
5594. SALARIES, BUREAU OF CONSTRUCTION AND REPAIR, 1925:									
Amount appropriated	313,000.00								
Expenditures by titles—									
V	303,237.54						303,237.54		
Transferred to retirement fund	7,825.00	7,825.00							
Total expenditures	311,062.54	7,825.00					303,237.54		
Unexpended balance	1,937.46								
	313,000.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5601. ENGINEERING, BUREAU OF ENGINEERING, 1925:									
Amount appropriated	$15,450,000.00								
Miscellaneous collections	6,571.99								
Miscellaneous adjustments	102.46								
	15,456,674.45								
Expenditures by titles—									
A	113,163.36	$113,156.84	$6.52						$3.67
B	1,294,860.39				$275.00	$1,294,585.39			*2,171,354.36*
C	2,486,085.90	11,986.89	4,902.28	$5,155.84	271.68	2,463,760.81	$8.40		902,554.34
D	6,025,416.45	2,482,602.92	1,254,155.42	1,060,582.78	108,273.27	1,119,802.06			1,019,219.24
K	955,467.79	432,169.40	197,905.06	230,221.33	315.08	94,856.92			299,770.88
P	425,370.25	96,413.81	57,543.78	40,105.34	809.24	230,498.08			83,503.47
E	198,776.06	69,542.57	40,480.39	82,058.70	6,694.40				261,916.38
R	40,213.34	8,129.49		32,083.85					820,030.26
G	1,999,233.29	1,193,526.06	244,188.11	560,382.26	1,136.86				136,951.55
S	629,540.75	172,915.23		449,806.78	4,290.40	2,528.34			148,809.47
V	1,162,113.88	739,500.70	108,681.45	191,362.58	105,241.32	16,785.56	36.39	$505.88	109,980.43
O	1,087.44				1,087.44				
X	*743,474.23*				62,448.06	261,117.56		*1,067,039.85*	1,165,815.78
Z	166,315.52	63,212.90	34,618.99	68,483.63					59,460.04
Underabsorbed	52,766.74		52,766.74						
Retirement fund deducted	*162,529.80*	*162,468.70*			*61.10*				
Transferred to retirement fund	130,000.00	130,000.00							
Indeterminate divided		1,570,707.22		424,541.52					
Total expenditures	14,774,407.13	6,921,395.33		3,144,784.61	290,781.65	5,483,934.72	44.79	*1,066,533.97*	2,836,661.15
Balance in hands of other Government departments	2,000.00								
Unexpended balance	680,267.32								
	15,456,674.45								
5602. ENGINEERING, EXPERIMENTAL STATION, ANNAPOLIS, MD., BUREAU OF ENGINEERING, 1925:									
Amount appropriated	175,000.00								

Expenditures by titles—									
R	12,748.22	10,283.69		2,464.53					51,145.27
S	120,188.15	96,117.71		24,070.44					9,011.19
V	25,869.04	24,967.23		901.81					313.71
X	6,941.28				6,935.60	5.68			
Retirement fund deducted	*3,249.80*	*3,249.80*							
Transferred to retirement fund	3,000.00	3,000.00							
Total expenditures	165,496.89	131,118.83		27,436.78	6,935.60	5.68			60,470.17
Unexpended balance	9,503.11								
	175,000.00								
5605. ENGINEERING, BUREAU OF ENGINEERING, 1925-26:									
Amount appropriated	1,100,000.00								
Expenditures by titles—									
K	375,009.70	182,332.37	88,721.40	103,955.93					122,196.89
V	3,333.06	72.60		2,060.46	1,200.00				
Z	3,192.87	1,875.69	1,002.94	314.24					3,071.15
Retirement fund deducted	*6,388.22*	*6,388.22*							
Transferred to retirement fund	1,745.18	1,745.18							
Indeterminate divided		71,306.17		18,418.17					
Total expenditures	376,892.59	250,943.79		124,748.80	1,200.00				125,268.04
Unexpended balance	723,107.41								
	1,100,000.00								
4605. ENGINEERING, BUREAU OF ENGINEERING, 1924-25:									
Balance July 1, 1924	2,056,741.54								
Expenditures by titles—									
B	1,764.00					1,764.00			
D	28,433.25	11,800.45	9,888.29	6,744.51					11,054.16
K	1,535,079.33	633,935.56	298,776.62	602,367.15					219,476.11
G	.10	.10							
V	9,822.50	4,075.30	2,056.56	1,690.64	2,000.00				980.62
X	145,487.88					145,487.88			
Z	68,456.91	28,108.01	14,227.33	26,121.57					47.55
Overabsorbed	*2,730.34*		*2,730.34*						
Retirement fund deducted	*23,355.81*	*23,355.81*							
Transferred to retirement fund	21,807.27	21,807.27							
Indeterminate divided		264,928.91		57,289.55					
Total expenditures	1,784,765.09	941,299.79		694,213.42	2,000.00	147,251.88			231,558.44
Unexpended balance	271,976.45								
	2,056,741.54								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5619. MACHINERY PLANT, NAVAL STATION, CAVITE, P. I.:									
Balance July 1, 1924	$30,159.94								
Surplus fund	30,159.94								
5624. HIGH-POWER RADIO STATIONS:									
Balance July 1, 1924	3,262.47								
Surplus fund	3,262.47								
5694. SALARIES, BUREAU OF ENGINEERING, 1925:									
Amount appropriated	283,800.00								
Expenditures by titles:									
V	274,800.00						$274,800.00		
Transferred to retirement fund	6,799.00	$6,799.00							
Total expenditures	281,599.00	6,799.00					274,800.00		
Unexpended balance	2,201.00								
	283,800.00								
5701. PAY OF THE NAVY, 1925:									
Amount appropriated	117,000,000.00								
Miscellaneous collections	500,952.68								
Miscellaneous adjustments	215,894.81								
	117,716,847.49								
Expenditures by titles—									
C	73,392,420.01				$5,128.50		73,387,291.51		
G	3,704,497.05						3,704,497.05		
S	20,100,481.59						20,100,481.59		
V	19,483,555.61				138,177.41		19,350,010.20	*$4,632.00*	
Total expenditures	116,680,954.26				143,305,91		116,542,280.35	*4,632.00*	
Unexpended balance	1,035,893.23								
	117,716,847.49								

5702. PROVISIONS, NAVY, BUREAU OF SUPPLIES AND ACCOUNTS, 1925:										
Amount appropriated	9,590,000.00									
Amount reappropriated	11,500,000.00									
Miscellaneous collections	58,629.36									
Miscellaneous adjustments	4,050.45									
	21,152,679.81									
Expenditures by titles—										
C	13,700,906.69			$920.75	1,353,189.74	$11,772,146.48	555,466.30	19,183.42		
E	4,067.12	1,853.63	$963.50	1,249.99					$1,132.07	
R	20.75			20.75						
G	319,627.95	157,473.61	2,254.94	5,484.00	547.50	26,911.02	119,042.80	7,914.08	228.36	
S	4,402,128.88	140,164.92		45,231.70	42,188.30	1,890,997.13	1,193,600.89	1,089,945.94	278.43	
V	909,124.34	1,892.40	51.88	2,644.51	439,867.85	268,270.36	288,221.55	*91,824.21*	587.32	
X	*4,681.88*				567.00	1,153.65		*6,402.53*		
Overabsorbed	*.53*		*.53*							
Retirement fund deducted	*7,197.61*	*7,197.61*								
Transferred to retirement fund	7,000.00	7,000.00								
Indeterminate divided		1,802.52		1,467.27						
Total expenditures	19,330,995.71	302,989.47		57,018.97	1,836,360.39	13,959,478.64	2,156,331.54	1,018,816.70	2,226.18	
Unexpended balance	1,821,684.10									
	21,152,679.81									
1702. PROVISIONS, NAVY, BUREAU OF SUPPLIES AND ACCOUNTS, 1924–25:										
Balance July 1, 1924	13,048,237.64									
Miscellaneous collections	*3,236.34*									
	13,045,001.30									
Expenditures by titles—										
C	93,594.29				44,035.71	49,534.80	23.78			
G	49.77					*.44*		50.21		
S	4,658.60	251.43			590.50	*1,485.03*	4,935.86	365.84		
V	295,587.25				8,365.12	515.93	10,261.91	276,444.29		
X	*5,715.04*				6.30			*5,721.34*		
Retirement fund deducted	*6.22*	*6.22*								
Transferred to retirement fund	449.73	449.73								
	388,618.38	694.94			52,997.63	48,565.26	15,221.55	271,139.00		
Miscellaneous expenditures	348,479.22									
Total expenditures	737,097.60									
Amount reappropriated	11,500,000.00									
Unexpended balance	807,903.70									
	13,045,001.30									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indctermi-nate appropri-ation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5704. MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS, 1925:									
Amount aprpopriated	$9, 800, 000. 00								
Miscellaneous collections	18, 808. 58								
	9, 818, 808. 58								
Expenditures by titles—									
B	210, 257. 30				$212. 50	$210, 598. 51		*$553. 71*	*$258, 617. 04*
C	397, 452. 98			$1, 225. 00	963. 99	395, 271. 19	*$7. 20*		127, 215. 00
P	18, 869. 45	$4, 222. 51	$1, 952. 17	2, 012. 75	1, 701. 29	8, 980. 73			1, 111. 40
E	11, 846. 58	391. 02	174. 79	11, 280. 77					7, 040, 292. 27
R	5, 539. 03			5, 539. 03					14, 255. 59
G	4, 662, 717. 57	4, 296, 040. 46	125, 077. 19	235, 873. 12	5, 726. 80				34, 332. 63
S	2, 226, 565. 00	2, 031, 545. 63		192, 302. 94	2, 054. 41	662. 02			33, 646. 31
V	1, 544, 220. 10	231, 117. 20	1, 108. 62	25, 510. 01	1, 299, 024. 52	1, 260. 49	*13, 822. 19*	21. 45	*7, 004, 487. 77*
O	1, 693. 13				1, 693. 13				
X	*71, 299. 21*				31, 997. 50	910. 69		*104, 207. 40*	133, 707. 27
Underabsorbed	2, 472. 64		2, 472. 64						
Retirement fund deducted	*157, 102. 53*	*157, 077. 02*			*25. 51*				
Transferred to retirement fund	140, 000. 00	140, 000. 00							
Indeterminate divided		95, 335. 28		35, 450. 13					
	8, 993, 232. 04	6, 641, 575. 08		509, 193. 75	1, 343, 348. 63	617, 683. 63	*13, 829. 39*	104, 739. 66	121, 455. 66
Miscellaneous expenditures	10, 896. 00								
Total expenditures	9, 004, 128. 04								
Unexpended balance	814, 680. 54								
	9, 818, 808. 58								
5708. FUEL AND TRANSPORTATION, BUREAU OF SUPPLIES AND ACCOUNTS, 1925:									
Amount appropriated	14, 500, 000. 00								
Miscellaneous collections	359. 99								
	14, 500, 359. 99								

Expenditures by titles—									
B	775.80					775.80			29,269.33
C	12,852,558.52			2,113.20	6,288.16	12,833,705.47		10,451.69	10,460.54
R									760.00
G	220,263.16	137,580.62	7,656.85	74,816.78	208.91				2,308.83
S	557,989.37	290,073.56		266,389.07	1,130.77	395.97			4,046.58
V	68,620.31	7,680.20	1,900.51	33,404.40	10,528.35	8,787.34		6,319.51	616.89
O	174.35				174.35				
X	*45,731.06*				1,282.29	15,296.54		*62,309.89*	
Overabsorbed	*13.38*		*13.38*						
Retirement fund deducted	*9,150.21*	*9,150.21*							
Transferred to retirement fund	8,000.00	8,000.00							
Indeterminate dividend		6,978.04		2,565.94					
Total expenditures	13,653,486.86	441,162.21		379,289.39	19,612.83	12,858,961.12		*45,538.69*	47,462.17
Unexpended balance	846,873.13								
	14,500,359.99								
5716. CLOTHING AND SMALL STORES FUND:									
Balance July 1, 1924	4,619,886.38								
Amount appropriated	8,192,201.63								
Miscellaneous collections	*3,334,214.14*								
	9,477,873.87								
Expenditures by titles—									
V	1,293,781.83						1,293,719.26	62.57	10,017.25
X	4,285,569.81				4,455,105.99	68,777.73		*238,313.91*	
Z	1,133,429.40	1,062,707.36		70,722.04					4,224,456.30
Retirement fund deducted	*10,611.34*	*10,611.34*							
Transferred to retirement fund	19,344.74	19,344.74							
Total expenditures	6,721,514.44	1,071,440.76		70,722.04	4,455,105.99	68,777.73	1,293,719.26	*238,251.34*	4,234,473.55
Unexpended balance	2,756,359.43								
	9,477,873.87								
5717. SHIPS STORES PROFITS, NAVY:									
Balance July 1, 1924	172,695.82								
Amount appropriated	577,498.09								
Miscellaneous collections	*136,794.69*								
	613,399.22								
Expenditures by titles—									
V	352,063.17	893.10		189.14	294,489.10	56,491.83			13,028.90
X	12,390.01				12,216.11			173.90	
Total expenditures	364,453.18	893.10		189.14	306,705.21	56,491.83		173.90	13,028.90
Unexpended balance	248,946.04								
	613,399.22								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5718. RESERVE MATERIAL, NAVY:									
Balance July 1, 1924	$736,780.93								
Miscellaneous collections	1,260.88								
	738,041.81								
Expenditures by titles—									
X	*16,948.42*							*$16,948.42*	
Miscellaneous expenditures	66.03								
Total expenditures	*16,882.39*								
Unexpended balance	754,924.20								
	738,041.81								
5750. NAVAL SUPPLY ACCOUNT FUND, SUBHEAD NO. 1:									
Balance July 1, 1924	40,199,095.84								
Miscellaneous collections	8,657,276.27								
Credits for stores issued	91,621,877.73								
	140,478,249.84								
Expenditures by titles—									
V	4,825,622.89					$4,825,622.89			
X	67,562,684.75				$62,997,279.21		$719.82	4,564,685.72	
Z	17,794,162.58	$4,321,773.19	$2,329,639.21	$11,142,750.18					
Retirement fund deducted	*142,910.21*	*142,893.50*			*16.71*				
Cash sales	8,555,727.25					8,555,727.25			
Condemned sales	290,758.43					290,758.43			
Surplus sales	2,353,499.24					2,353,499.24			
Transferred to retirement fund	213,595.50	213,595.50							
Indeterminate divided		1,728,195.86		601,443.35					
	101,453,140.43	6,120,671.05		11,744,193.53	62,997,262.50	16,025,607.81	719.82	4,564,685.72	
Miscellaneous expenditures	215,332.76								
Total expenditures	101,668,473.19								
Amount reappropriated	22,500,000.00								
Unexpended balance	16,309,776.65								
	140,478,249.84								

5750. NAVAL SUPPLY ACCOUNT FUND, SUBHEAD NO. 2:										
Balance July 1, 1924	2,564,923.85									
Amount reappropriated	204,930.96									
	2,769,854.81									
Expenditures by titles—										
V	101.40							101.40		
Miscellaneous expenditures	3,269.53									
Total expenditures	3,370.93									
Amount reappropriated	100,000.00									
Unexpended balance	2,666,483.88									
	2,769,854.81									
5777. NAVAL WORKING FUND:										
Amount reappropriated	100,000.00									
Miscellaneous collections	10,852,003.39									
	10,952,003.39									
Expenditures by titles—										
Retirement fund deducted	*79,303.57*	*79,303.57*								
Other Government departments	3,701,901.88	1,769,386.81	909,842.35	788,147.58	182,782.66	50,194.82		1,547.66		
Special deposits	381,434.56	123,066.91	106,084.69	112,891.77	39,265.95		125.24			
Proceeds of sales	1,357,843.46	495,073.52	107,782.22	279,717.23	470,180.72	5,089.77				
Foreign governments	6,475.95	5,173.62		1,302.33						
Transferred to retirement fund	64,198.77	64,198.77								
Indeterminate divided		892,438.55		231,270.71						
Total expenditures	5,432,551.65	3,270,034.61		1,413,329.62	692,229.33	55,284.59	125.24	1,547.66		
Miscellaneous expenditures	1,228,877.18									
Total expenditures	6,661,428.23									
Unexpended balance	4,290,575.16									
	10,952,003.39									
5794. SALARIES, BUREAU OF SUPPLIES AND ACCOUNTS, 1925:										
Amount appropriated	840,000.00									
Expenditures by titles—										
V	812,520.31							812,520.31		
Transferred to retirement fund	20,940.00	20,940.00								
Total expenditures	833,460.31	20,940.00						812,520.31		
Unexpended balance	6,539.69									
	840,000.00									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4796. RADIO EQUIPMENT, COAST GUARD, 1924–DECEMBER 31, 1924:									
Miscellaneous collections	$9,996.54								
Miscellaneous expenditures	9,996.54								
5113. FEDERAL FUEL DISTRIBUTION:									
Balance July 1, 1924	3,414.92								
Unexpended balance	3,414.92								
5121. GENERAL EXPENSES, LIGHTHOUSE SERVICE, 1925:									
Miscellaneous collections	2,272.36								
Miscellaneous expenditures	2,272.36								
5161. MAINTENANCE AND IMPROVEMENTS OF EXISTING RIVER AND HARBOR WORKS:									
Balance July 1, 1924	176,000.00								
Miscellaneous collections	445,924.00								
	621,924.00								
Miscellaneous expenditures	176,000.00								
Unexpended balance	445,924.00								
	621,924.00								
5163. COAST GUARD, 1925:									
Miscellaneous collections	65,000.00								
Miscellaneous expenditures	63,371.72								
Unexpended balance	1,628.28								
	65,000.00								

5164. MILITARY POST, HAWAIIAN ISLANDS:									
Miscellaneous collections	74,000.00								
Miscellaneous expenditures	46,279.79								
Unexpended balance	27,720.21								
	74,000.00								
5277. HOSPITAL FACILITIES, AND SERVICES (NAVY DEPARTMENT):									
Balance July 1, 1924	9,830.19								
Expenditures by titles—									
V									$13.05 cr.
Other Government departments	173.16				$212.27		$39.11 cr.		
Transferred to retirement fund	.90	$0.90							
	174.06	.90			212.27		39.11 cr.		13.05 cr.
Miscellaneous expenditures	9,336.20								
Total expenditures	9,510.26								
Unexpended balance	319.93								
	9,830.19								
5452 ARMAMENT OF FORTIFICATIONS, 1925:									
Miscellaneous collections	7,500.00								
Unexpended balance	7,500.00								
5521. REPAIRS TO VESSELS, COAST SURVEY, 1925:									
Miscellaneous collections	1,299.87								
Miscellaneous expenditures	1,299.87								
5524. REPAIRS TO COAST GUARD CUTTERS, 1925:									
Miscellaneous collections	80,760.43								
Miscellaneous expenditures	24,271.43								
Unexpended balance	56,489.00								
	80,760.43								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4526. ADDITIONAL VESSELS, COAST GUARD, 1924-25:									
Balance July 1, 1924	$249,730.00								
Miscellaneous collections	1,942,383.50								
	2,192,113.50								
Miscellaneous expenditures	1,545,687.97								
Unexpended balance	646,425.53								
	2,192,113.50								
5805. MEDICAL AND HOSPITAL SERVICES, VETERANS' BUREAU, 1925 (NAVY ALLOTMENT):									
Miscellaneous collections	1,507,803.68								
Expenditures by titles—									
S	303.11			$303.11					
Other Government departments	7,527.84				$7,273.42		$0.05	$254.37	
	7,830.95			303.11	7,273.42		.05	254.37	
Miscellaneous expenditures	1,184,878.96								
Total expenditures	1,192,709.91								
Unexpended balance	315,093.77								
	1,507,803.68								
5875. AIR SERVICE ARMY, 1925 (NAVY ALLOTMENT):									
Miscellaneous collections	467,580.00								
Other Government departments	278,154.08					$5,305.62		272,848.46	
Total expenditures	278,154.08					5,305.62		272,848.46	
Unexpended balance	189,425.92								
	467,580.00								

5776. ARMY TRANSPORTATION, 1925:										
Miscellaneous collections	5,500.00									
Miscellaneous expenditures	5,500.00									
5162. PARTY EXPENSES, COAST AND GEODETIC SURVEY, 1925:										
Miscellaneous collections	1,310.00									
Expenditures by titles:—										
V	310.00						310.00			
Total expenditures	310.00						310.00			
Unexpended balance	1,000.00									
	1,310.00									
REPLACING ORDNANCE AND ORDNANCE STORES, 1924–25:										
Miscellaneous collections	3,216.00									
Miscellaneous expenditures	3,014.79									
Unexpended balance	201.21									
	3,216.00									
GEOLOGICAL SURVEY, 1924–25:										
Miscellaneous collections	7,000.00									
Unexpended balance	7,000.00									
5801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1925:										
Amount appropriated	1,840,000.00									
Miscellaneous collections	2,962.35									
Miscellaneous adjustments	394,342.61									
	2,237,304.96									
Expenditures by titles—										
C	27,260.74				3,613.05	23,647.69				$91.27
R	12,876.22	$12,513.86	$10.09	112.92	239.35					152.35
G	1,647,782.97	1,642,248.39		1,506.46	1,835.34	2,059.09		133.69		670.14
S	41,802.75	118.44		248.40	34,664.79	1,442.67		5,328.45		11,361.48
V	236.31				236.31					2,359.82
O	422,531.04				416,062.83			6,468.21		1,625.00
X	*30,285.88*	*29,893.66*			*392.22*					
Retirement Fund deducted	30,143.54	30,143.54								
Transferred to retirement fund		7.76		2.33						
Indeterminate divided										
Total expenditures	2,152,347.69	1,655,138.33		1,870.11	456,259.45	27,149.45		11,930.35		16,260.06
Unexpended balance	84,957.27									
	2,237,304.96									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5802. CONTINGENT, BUREAU OF MEDICINE AND SURGERY, 1925:									
Amount appropriated	$395,000.00								
Miscellaneous collections	95.73								
Miscellaneous adjustments	22,083.44								
	417,179.17								
Expenditures by titles—									
C	14,906.29			$211.46	$11,947.72	$2,747.11			$127.38
E	1,368.90				1,368.90				12,123.16
R	1,043.75			70.00	973.75				1,255.16
G	4,363.86	$741.82	$435.59	2,668.77	517.68				4,238.57
S	77,093.60	7,186.72		49,123.80	20,724.08	59.00			85,092.47
V	41,345.97	1,590.48	631.76	1,297.80	27,711.25	6,174.50	$381.43	$3,558.75	2,989.25
O	17,262.60				17,262.60				
X	130,718.69				126,897.29			3,821.40	
Z	5,967.61	3,397.92	1,566.60	1,003.09					20,001.94
Overabsorbed	*14.01*		*14.01*						
Retirement fund deducted	*325.51*	*325.51*							
Transferred to retirement fund	222.93	222.93							
Indeterminate divided		2,142.36		477.58					
Total expenditures	293,954.68	14,956.72		54,852.50	207,403.27	8,980.61	381.43	7,380.15	125,827.93
Unexpended balance	123,224.49								
	417,179.17								
5806. CARE OF THE DEAD, BUREAU OF MEDICINE AND SURGERY, 1925:									
Amount appropriated	40,000.00								
Miscellaneous collections	311.00								
Miscellaneous adjustments	1,328.48								
	41,639.48								
Expenditures by titles—									
S	271.11	76.00		180.51	14.60				1,589.68
V	27,453.50	44.40	15.04		27,654.81		*6.38*	*254.37*	3,087.24
O	*14.60*				*14.60*				
X	5,184.46				4,786.13			398.33	

Overabsorbed	*2.91*		*2.91*						
Retirement fund deducted	*1.34*	*1.34*							
Transferred to retirement fund	1.34	1.34							
Indeterminate divided		9.73		2.40					
Total expenditures	32,891.56	130.13		182.91	32,440.94		*6.38*	143.96	4,676.92
Unexpended balance	8,747.92								
	41,639.48								
5811. NAVAL HOSPITAL, NEWPORT, R. I.:									
Balance July 1, 1924	116.25								
Transferred to retirement fund	116.25	116.25							
5814. NAVAL HOSPITAL, FORT LYON, COLO.:									
Balance July 1, 1924	4,782.36								
Unexpended balance	4,782.36								
5815. NAVAL HOSPITAL FUND:									
Balance July 1, 1924	3,496,714.32								
Amount appropriated	816,342.57								
Amount reappropriated	1,500,000.00								
Miscellaneous adjustments	269,787.85								
	6,082,844.74								
Expenditures by titles—									
C	*2,841.10*				8,562.66	3,989.24		*15,393.00*	
E	65,764.30	5,380.93	2,228.01	3,979.81	54,175.55				6,594.77
R	86,177.27	892.32		3,340.01	81,944.94				89,761.42
G	2,115.85	1,142.90	498.74	474.21					
S	447,210.76	24,216.89		629,384.34	576,952.93	353,024.19	3,186.16	*1,139,553.75*	1,333,523.35
V	*255,701.49*	*319.34*	*110.55*	*94.05*	51,050.49		42,370.67	*348,598.71*	*683.31*
O	244,112.20				244,112.20				
X	1,170,663.49				1,134,678.11	1,200.00		34,785.38	
Z	128,740.86	61,132.91	26,790.04	40,817.91					61,997.82
Underabsorbed	288.43		288.43						
Retirement fund deducted	*2,809.77*	*2,809.77*							
Transferred to retirement fund	5,296.86	5,296.86							
Indeterminate divided		23,880.22		5,814.45					
Total expenditures	1,839,017.66	118,813.92		683,716.68	2,151,476.88	358,213.43	45,556.83	*1,468,760.08*	1,491,194.05
Unexpended balance	4,193,827.08								
	6,082,844.74								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5825. SALARIES BUREAU OF MEDICINE AND SURGERY, 1925:									
Amount appropriated	$72,620.00								
Expenditures by titles—									
V	70,800.00						$70,800.00		
Transferred to retirement fund	1,815.50	$1,815.50							
Total expenditures	72,615.50	1,815.50					70,800.00		
Unexpended balance	4.50								
	72,620.00								
5852. AVIATION NAVY (NEW AIRCRAFT AND EQUIPMENT), 1925:									
Amount appropriated	5,264,826.00								
Expenditures by titles—									
A									$1,806,606.37
B									492,587.93
G	200.00				$200.00				
S									4,259.00
V	26,325.90	11,218.09	$10,994.52	$298.04	3,650.00	$165.25			14,987.50
X	656,902.42				657,001.59			*$99.17*	
Z	57,748.04	33,420.75	20,743.38	3,583.91					*20,734.24*
Underabsorbed	1,837.30		1,837.30						
Retirement fund deducted	*1,798.24*	*1,798.24*							
Transferred to retirement fund	8,000.00	8,000.00							
Indeterminate divided		27,321.65		6,253.55					
Total expenditures	749,215.42	78,162.25		10,135.50	660,851.59	165.25		*99.17*	2,297,706.56
Balance in hands of other Government departments	276,390.00								
Unexpended balance	4,239,220.58								
	5,264,826.00								

5853. AVIATION, NAVY (NAVIGATIONAL, AEROLOGICAL, RADIO, PHOTOGRAPHIC, AND MISCELLANEOUS EQUIPMENT), 1925:									
Amount appropriated	325,000.00								
Expenditures by titles—									
B	532.20				138.00	394.20			679,769.59
P	107.21	53.60	37.73	15.88					90.00
E									25,106.13
R	200.00			200.00					
G	25.00				25.00				
S	890.83			768.74	35.00	87.09			18,911.43
V	24,944.36	7,632.32	2,889.69	307.12	12,923.78	1,022.44		169.01	57,918.18
O	10.40				10.40				
X	118,288.07				112,514.55	6,030.78		*257.26*	
Z	16,299.88	8,733.83	5,116.65	2,449.40					657.32
Underabsorbed	84.52		84.52						
Retirement fund deducted	*582.81*	*582.81*							
Transferred to retirement fund	200.00	200.00							
Indeterminate divided		6,985.86		1,142.73					
Total expenditures	160,999.66	23,022.80		4,883.87	125,646.73	7,534.51		*88.25*	782,452.65
Unexpended balance	164,000.34								
	325,000.00								
5854. AVIATION NAVY (MAINTENANCE AND REPAIRS), 1925:									
Amount appropriated	6,716,950.00								
Miscellaneous collections	265.91								
Miscellaneous adjustments	70.25								
	6,717,286.16								
Expenditures by titles—									
B	13,441.12					13,441.12			*170,366.82*
C	17,954.51			17,095.76	631.73	227.02			386,698.46
D	51,025.11	47,305.64	761.94	2,957.53					42,516.73
K	41,523.78	31,780.69	7,333.32	2,409.77					9,692.89
P	4,228.27	2,545.27	929.40	352.35	4.00	397.25			7,491.54
E	43,316.48	24,491.75	10,792.92	8,031.81					123,166.15
R	102,765.02	36,983.24		15,720.40	50,061.38				164,569.84
G	328,039.77	241,396.50	65,452.01	21,044.88	146.38				113,192.90
S	1,519,205.02	729,235.95		572,050.96	217,918.11				928,613.68
V	1,224,764.35	658,574.78	254,829.00	198,368.42	51,077.47	323,091.47	*15.00*	*261,181.79*	3,644,373.97
O	4,183.72				4,183.72				
X	949,622.72				974,993.27	203,386.85		*228,737.40*	7,233,578.90
Z	393,782.79	200,965.53	143,810.00	49,007.26					400,637.50
Underabsorbed	24,361.81		24,361.81						
Retirement fund deducted	*56,822.77*	*56,822.77*							

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
5854. AVIATION NAVY (MAINTENANCE AND REPAIRS), 1925—Continued.									
Transferred to retirement fund	$19,000.00	$19,000.00							
Indeterminate divided		428,748.09		$79,522.31					
Total expenditures	4,680,391.70	2,364,204.67		966,561.45	$1,299,016.06	$540,543.71	*$15.00*	*$489,919.19*	$12,884,165.74
Balance in the hands of other Government Departments	2,260.00								
Unexpended balance	2,034,634.46								
	6,717,286.16								
5855. AVIATION NAVY (EXPERIMENTS AND DEVELOPMENTS), 1925:									
Amount appropriated	1,573,224.00								
Expenditures by titles—									
B									2,064.06
K	10,344.03	5,574.41	$3,104.94	1,664.68					1,892.67
E	37,875.19	19,213.50	15,337.55	3,324.14					95,615.29
G	8,350.34	2,991.65	2,880.53	978.16	1,500.00				725.61
S	1,838.96	102.60		1,681.36	55.00				6,189.73
V	339,904.78	112,702.95	91,916.15	24,380.51	110,905.17				475,795.74
O	275.00				275.00				
X	265,611.48				265,611.48				
Z	131,962.33	66,620.60	62,815.06	2,526.67					14,687.46
Underabsorbed	8,496.27		8,496.27						
Retirement fund deducted	*9,105.12*	*9,105.12*							
Transferred to retirement fund	5,800.00	5,800.00							
Indeterminate divided		157,664.69		26,885.81					
Total expenditures	801,353.26	361,565.28		61,441.33	378,346.65				596,970.56
Balance in hands of other Government departments	64,560.00								
Unexpended balance	707,310.74								
	1,573,224.00								

5856. AVIATION NAVY (DRAFTING, CLERICAL, INSPECTION, AND MESSENGER SERVICE), 1925:									
Amount appropriated	710,000.00								
Expenditures by titles—									
G	241,429.99	241,429.99							
S	184,655.95	184,642.75					13.20		
V	176,888.05	181,943.88						*5,055.83*	
Z	30,482.34	30,482.34							
Retirement fund deducted	*15,766.38*	*15,766.38*							
Transferred to retirement fund	17,000.00	17,000.00							
Total expenditures	634,689.95	639,732.58					13.20	*5,055.83*	
Unexpended balance	75,310.05								
	710,000.00								
5857. AVIATION NAVY (NEW BUILDING AND IMPROVEMENTS AT PEARL HARBOR), 1925:									
Amount appropriated	173,000.00								
Expenditures by titles—									
V	96.00				96.00				
Total expenditures	96.00				96.00				
Unexpended balance	172,904.00								
	173,000.00								
5858. AVIATION NAVY (NEW BUILDINGS AND IMPROVEMENTS AT COCO SOLO), 1925:									
Amount appropriated	237,000.00								
Expenditures by titles—									
S	850.36			850.36					69,288.45
X	71,148.45				71,148.45				
Total expenditures	71,998.81			850.36	71,148.45				69,288.45
Unexpended balance	165,001.19								
	237,000.00								
5859. AVIATION NAVY (NEW BUILDING AND IMPROVEMENTS AT PENSACOLA, FLA.), 1925:									
Amount appropriated	150,000.00								
Unexpended balance	150,000.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowanees	Miscellaneous adjustments	A. P. A. material and statistieal overhead
5863. AVIATION NAVY (BALANCES TRANSFERRED) PER ACT DEC. 5, 1924–25:									
Amount reappropriated	$265,000.00								
Unexpended balance	265,000.00								
5864. INCREASE OF THE NAVY (AERONAUTICS ALLOTMENT):									
Amount appropriated	300,000.00								
Unexpended balance	300,000.00								
5865. ACQUISITION OF SITES, AVIATION NAVY:									
Amount reappropriated	109,335.00								
Expenditures by titles—									
E	58,335.00				$58,335.00				
Total expenditures	58,335.00				58,335.00				
Unexpended balanee	51,000.00								
	109,335.00								
5894. SALARIES, BUREAU OF AERONAUTICS, 1925:									
Amount appropriated	178,500.00								
Expenditures by titles—									
V	173,900.00						$173,900.00		
Transferred to retirement fund	4,114.50	$4,114.50							
Total expenditures	178,014.50	4,114.50					173,900.00		
Unexpended balanee	485.50								
	178,500.00								
5901. PAY, MARINE CORPS, 1925:									
Amount appropriated	16,482,639.00								
Miscellaneous collections	106,070.50								
Miscellaneous adjustments	35,862.70								
	16,624,572.20								

Expenditures by titles—									
C	1,176,467.65						1,176,467.65		
S	11,002.84						11,002.84		
V	*274.77*						*274.77*		
Marine Corps	14,454,075.91				11,092.80		14,442,983.11		
Total expenditures	15,641,271.63				11,092.80		15,630,178.83		
Unexpended balance	983,300.57								
	16,624,572.20								
5902. General Expenses, Marine Corps, 1925:									
Amount appropriated	8,911,800.00								
Miscellaneous collections	823,782.85								
Miscellaneous adjustments	5,707.02								
	9,741,289.87								
Expenditures by titles—									
X	*136,885.66*							*$136,885.66*	
Underabsorbed	1,026.73		$1,026.73						
Retirement fund deducted	*1,315.16*	*1,315.16*							
Marine Corps	7,439,949.62	44,432.75	13,839.70	$21,158.25	6,259,541.07	$932,192.53	16,605.74	152,179.58	$14,197.14
Transferred to retirement fund	15,000.00	15,000.00							
Indeterminate divided		13,017.21		1,849.22					
Total expenditures	7,317,775.53	71,134.80		23,007.47	6,259,541.07	932,192.53	16,605.74	15,293.92	14,197.14
Unexpended balance	2,423,514.34								
	9,741,289.87								
5903. Pay Civilian Employees, Marine Corps, 1925:									
Amount appropriated	171,701.00								
Expenditures by titles—									
Marine Corps	97,253.38				4,288.03		92,965.35		
Transferred to retirement fund	4,271.53	4,271.53							
	101,524.91	4,271.53			4,288.03		92,965.35		
Miscellaneous expenditures	69,620.11								
Total expenditures	171,145.02								
Unexpended balance	555.98								
	171,701.00								
5904. Reserve Supplies, Marine Corps:									
Balance July 1, 1924	1,361,306.63								
Unexpended balance	1,361,306.63								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowanees	Miscellaneous adjustments	A. P. A. material and statistical overhead
5989. PREVIOUSLY CHARGED TO APPROPRIATIONS:									
Titles:									
B									$42,512,936.12
C									250,665.34
G									38,140.08
S									408,113.82
Marine Corps									1,002.10
Cash sales									2,384,532.17
									45,595,389.63
5990. GENERAL ACCOUNTS OF ADVANCES, REIMBURSABLE:									
Balanee July 1, 1924	*$4,256,447.00*								
Miscellaneous adjustments	4,329,476.12								
	73,029.12								
Expenditures by titles—									
S	2.21	$2.21							
Retirement fund dedueted	8.59	8.59							
Other Government departments	*2,325.19*	*843.59*	*$149.65*	*$1,331.95*					
Speeial deposits	*133.40*	*103.40*			*$30.00*				
Proeeeds of sales	21.84	21.84							
Transferred to retirement fund	75,455.07	75,455.07							
Indeterminate divided		*134.63*		*14.97*					
Total expenditures	73,029.12	74,406.04		*1,346.92*	*30.00*				
PAY NAVY DEPOSIT FUND:									
Balanee July 1, 1924	229,706.00								
Amount appropriated	77,812.16								
Miseellaneous eollections	*39,630.66*								
	267,887.50								
Miseellaneous expenditures	57,803.43								
Unexpended balanee	210,084.07								
	267,887.50								

PAY MARINE CORPS, DEPOSIT FUND:										
Balance July 1, 1924	430,062.00									
Amount appropriated	403,813.00									
Miscellaneous collections	*174,815.34*									
Miscellaneous adjustments	7,275.51									
	666,335.17									
Expenditures by titles (repayments)	359,365.32									
Unexpended balance	306,969.85									
	666,335.17									
5998. CASH SALES:										
Cash sales										*86,621.66*
Condemned sales										1,187,482.45
										1,100,860.79
4101. PAY MISCELLANEOUS, 1924:										
Balance July 1, 1924	490,927.67									
Amount appropriated	90,960.40									
Miscellaneous collections	*82,554.27*									
	499,333.80									
Expenditures by titles—										
C	1,720.64				1,720.64					5.27
G	502.34	82.28			420.06					12.50
S	*37,374.93*	*42,352.82*		*8.40*	4,094.84		$891.45			17,905.99
V	320,659.62	42,514.50			271,680.58	$73.50	6,397.29	*$6.25*		8,756.00
O	10.45				10.45					
X	30,390.66				30,432.16			*41.50*		
Retirement fund deducted	*137.41*	*6.09*			*131.32*					
Transferred to retirement fund	2,836.08	2,836.08								
	318,607.45	3,073.95		*8.40*	308,227.41	73.50	7,288.74	*47.75*		26,679.76
Miscellaneous expenditures	12,216.76									
Total expenditures	330,824.21									
Unexpended balance	168,509.59									
	499,333.80									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4102. CONTINGENT, NAVY, 1924:									
Balance, July 1, 1924	$16,853.76								
Expenditures by titles—									
C	19.25				$19.25				
V	1,515.04				1,515.04				
	1,534.29				1,534.29				
Miscellaneous expenditures	2.60								
Total expenditures	1,536.89								
Unexpended balance	15,316.87								
	16,853.76								
4104. CARE OF LEPERS, ETC., ISLAND OF GUAM, 1924:									
Balance July 1, 1924	958.34								
Expenditures by titles—									
S	*8.64*			*$8.64*					$871.14
X	862.50				862.50				
	853.86			*8.64*	862.50				871.14
Miscellaneous expenditures	.09								
Total expenditures	853.95								
Unexpended balance	104.39								
	958.34								
4105. EXPERIMENTAL AND RESEARCH LABORATORY, 1924:									
Balance July 1, 1924	31,121.59								
Miscellaneous adjustments	3,240.84								
	34,362.43								
Expenditures by titles—									
R	2,847.95						$2,847.95		
X	28,370.38				28,370.38				

Total expenditures	31,218.33				28,370.38		2,847.95		
Unexpended balance	3,144.10								
	34,362.43								
4109. INCREASE OF COMPENSATION, NAVY DEPARTMENT, 1924:									
Balance July 1, 1924	12,386.00								
Miscellaneous collections	673.36								
Unexpended balance	13,059.36								
4110. INCREASED COMPENSATION, CIVILIAN EMPLOYEES, NAVAL ESTABLISHMENT, 1924:									
Balance July 1, 1924	5,227.56								
Expenditures by titles—									
S	*6,251.99*	*$6,251.99*							
V	6,256.66	6,256.66							
	4.67	4.67							
Miscellaneous expenditures	1,744.86								
Total expenditures	1,749.53								
Unexpended balance	3,478.03								
	5,227.56								
3120. SCRAPPING OF NAVAL VESSELS, 1923-24:									
Balance July 1, 1924	1,904,635.57								
Miscellaneous collections	115.33								
Miscellaneous adjustments	2,017,024.08								
	3,921,774.98								
Expenditures by titles—									
A	3,238,676.83	12,014.62	$5,696.74	667.58	3,230,297.89				
G	1,626.86	1,274.49	334.37	18.00					
S									*14,796.69*
V	57,743.49	24,620.51	9,336.57	732.44	23,140.72		*86.75*		*10,748.45*
X	57,781.57				57,781.57				
Z									17,900.00
Underabsorbed	162.86		162.86						
Retirement fund deducted	*1,259 55*	*1,259.55*							
Indeterminate divided		12,821.20		2,709.34					
	3,364,732.06	49,471.27		4,127.36	3,311,220.18		*86.75*		*7,645.14*
Reappropriated	557,042.92								
	3,921,774.98								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4174. SALARIES, OFFICE OF THE SECRETARY OF THE NAVY, 1924:									
Balance July 1, 1924	$578.00								
Miscellaneous collections	221.83								
Unexpended balance	799.83								
4175. LIBRARY, NAVY DEPARTMENT, 1924:									
Balance July 1, 1924	.82								
Miscellaneous collections	308.38								
	309.20								
Expenditures by titles—									
V	210.59						$210.59		
Total expenditures	210.59						210.59		
Unexpended balance	98.61								
	309.20								
4177. CONTINGENT EXPENSES, NAVY DEPARTMENT, 1924:									
Balance July 1, 1924	10,104.58								
Miscellaneous collections	2,575.41								
Miscellaneous adjustments	502.89								
	13,182.88								
Expenditures by titles—									
V	12,260.14						12,253.14		
Transferred to retirement fund	13.03	$13.03				$7.00			
Total expenditures	12,273.17	13.03				7.00	12,253.14		
Unexpended balance	909.71								
	13,182.88								

4178. PRINTING AND BINDING, NAVY DEPARTMENT, 1924:										
Balance July 1, 1924	230,000.00									
Miscellaneous collections	2,680.73									
	232,680.73									
Expenditures by titles—										
V	197,009.81						197,009.81			
Total expenditures	197,009.81						197,009.81			
Unexpended balance	35,670.92									
	232,680.73									
4180. SALARIES, OFFICE OF NAVAL RECORDS AND LIBRARY, 1924:										
Miscellaneous collections	80.78									
Unexpended balance	80.78									
4181. NAVAL RECORDS OF WAR WITH CENTRAL POWERS OF EUROPE, 1924:										
Balance July 1, 1924	.72									
Miscellaneous collections	254.38									
	255.10									
Expenditures by titles—										
V	50.00						50.00			
Miscellaneous expenditures	175.73									
Total expenditures	225.73									
Unexpended balance	29.37									
	255.10									
4183. SALARIES, OFFICE OF JUDGE ADVOCATE GENERAL, UNITED STATES NAVY, 1924:										
Balance July 1, 1924	9.50									
Miscellaneous collections	112.06									
	121.56									
Unexpended balance	121.56									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4184. SALARIES, OFFICE OF CHIEF OF NAVAL OPERATIONS, 1924:									
Balance July 1, 1924	$225.00								
Miscellaneous collections	144.21								
	369.21								
Unexpended balance	369.21								
4185. SALARIES, OFFICE OF THE DIRECTOR OF NAVAL COMMUNICATIONS, 1924:									
Balance July 1, 1924	120.00								
Miscellaneous collections	294.39								
	414.39								
Unexpended balance	414.39								
4186. SALARIES, OFFICE OF NAVAL INTELLIGENCE, 1924:									
Balance July 1, 1924	50.00								
Miscellaneous collections	140.68								
	190.68								
Unexpended balance	190.68								
4201. MAINTENANCE, BUREAU OF YARDS AND DOCKS, 1924:									
Balance July 1, 1924	155,493.93								
Balance in hands of other Government departments	1,900.00								
Miscellaneous collections	432.64								
Miscellaneous adjustments	352.52								
	158,179.09								
Expenditures by titles—									
B									
C	674.13				$2,402.69				$320.95
E	*105.07*	$6.24	$1.07	*$112.38*				*$1,728.56*	
R	6,590.99	3,356.22		3,234.77					2,302.67
									14,081.26

G	12,658.26	5,714.62	2,370.98	3,770.83	801.83				10,293.41
S	*2,588.88*	*913.79*		*2,721.05*	1,045.96				32,779.91
V	4,256.30	1,781.39		271.71	2,233.68		$69.17	*99.65*	8,191.71
O	53.92				53.92				
X	71,314.27				71,328.87			*14.60*	
Z									3.42
Retirement fund deducted	*308.72*	*288.90*			*19.82*				
Transferred to retirement fund	47,096.00	47,096.00							
Indeterminate divided		2,038.03		334.02					
Total expenditures	139,641.20	58,789.81		4,777.90	77,847.13		69.17	*1,842.81*	67,973.33
Balance in hands of other Government departments	1,900.00								
Balance June 30, 1925	16,637.89								
	158,179.09								
4203. CONTINGENT, BUREAU OF YARDS AND DOCKS, 1924:									
Balance July 1, 1924	29,624.27								
Miscellaneous adjustments	3.60								
	29,627.87								
Expenditures by titles—									
C									1,113.70
E	3,693.97	136.80	55.94	3,501.23					3,513.82
R									2,523.45
G	3,883.46	454.44	189.18	143.47	3,096.37				20.50
S									6,623.80
V									1,685.06
X	14,737.38				14,737.38				
Retirement fund deducted	*19.76*	*19.76*							
Transferred to retirement fund	384.90	384.90							
Indeterminate divided		205.09		40.03					
Total expenditures	22,679.95	1,161.47		3,684.73	17,833.75				15,480.33
Unexpended balance	6,947.92								
	29,627.87								
4209. SALARIES, BUREAU OF YARDS AND DOCKS, 1924:									
Balance July 1, 1924	668.15								
Miscellaneous collections	63.31								
	731.46								
Miscellaneous expenditures	667.80								
Unexpended balance	63.66								
	731.46								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4301. CONTINGENT, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	$9,431.70								
Expenditures by titles—									
S	4,278.07			$0.80	$4,278.87				$2,101.60
V	2,101.60				2,101.60				
X	6,379.67			.80	6,380.47				2,101.60
Miscellaneous expenditures	100.00								
Total expenditures	6,479.67								
Unexpended balance	2,952.03								
	9,431.70								
4302. TRANSPORTATION, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	1,334,561.59								
Miscellaneous collections	7,738.66								
	1,342,300.25								
Expenditures by titles—									
V	260,279.21				250,123.59		$10,155.62		13,684.22
X	25,559.26				25,559.26				
Transferred to retirement fund	27.67	$27.67							
Miscellaneous expenditures	285,866.14	27.67			275,682.85		10,155.62		13,684.22
	9,272.70								
Total expenditures	295,138.84								
Reappropriated	228,542.11								
Unexpended balance	818,619.30								
	1,342,300.25								
4305. GUNNERY AND ENGINEERING EXERCISES, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	20,619.03								
Miscellaneous collections	260.00								

Miscellaneous adjustments	1,946.50								
	22,825.53								
Expenditures by titles—									
S									656.37
V	12,692.82				2,955.32		9,737.50		22.40
X	1,371.73				1,305.12			$66.61	
Total expenditures	14,064.55				4,260.44		9,737.50	66.61	678.77
Unexpended balance	8,760.98								
	22,825.53								
4309. Instruments and Supplies, Bureau of Navigation, 1924:									
Balance July 1, 1924	231,004.79								
Miscellaneous collections	163.90								
Miscellaneous adjustments	347.88								
	231,516.57								
Expenditures by titles—									
B	6,997.70					$6,997.70			*600.00*
C	13,238.16				823.92	12,414.24			*156.47*
P	997.10				966.50	30.60			237.00
G	*1.78*			*1.78*					
S									60.50
V	1,776.05				1,947.90		*171.85*		600.00
X	26,032.60				25,688.08			344.52	
Transferred to retirement fund	795.09	795.09							
Total expenditures	49,834.92	795.09		*1.78*	29,426.40	19,442.54	*171.85*	344.52	141.03
Unexpended balance	181,681.65								
	231,516.57								
4310. Ocean and Lake Surveys, Bureau of Navigation, 1924:									
Balance July 1, 1924	14,714.14								
Expenditures by titles—									
B	27.00					27.00			
C	242.51				242.51				624.00
X	13,133.30				12,509.30			624.00	
Retirement fund deducted	*217.30*				*217.30*				
Total expenditures	13,185.51				12,534.51	27.00		624.00	624.00
Unexpended balance	1,528.63								
	14,714.14								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4311. NAVAL TRAINING STATION, RHODE ISLAND, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	$13,728.25								
Expenditures by titles—									
S	3.20	$3.20							
X	13,209.60				$13,209.60				$13,209.60
Retirement fund deducted	*.08*	*.08*							
Transferred to retirement fund	156.57	156.57							
Total expenditures	13,369.29	159.69			13,209.60				13,209.60
Unexpended balance	358.96								
	13,728.25								
4312. NAVAL TRAINING STATION, HAMPTON ROADS, VA., BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	2,734.37								
Miscellaneous adjustments	621.36								
	3,355.73								
Expenditures by titles—									
S	266.59	57.28		$209.31					
X	82.50				82.50				
Retirement fund deducted	*1.41*	*1.41*							
Transferred to retirement fund	519.52	519.52							
Total expenditures	867.20	575.39		209.31	82.50				
Unexpended balance	2,488.53								
	3,355.73								
4313. NAVAL TRAINING STATION, GREAT LAKES, BUREAU OF NAVIGATION 1924:									
Balance July 1, 1924	5,958.50								
Expenditures by titles—									
S									
X	4,667.26				4,667.26				639.77

Transferred to retirement fund	944.61	944.61							
Total expenditures	5,611.87	944.61			4,667.26				639.77
Unexpended balance	346.63								
	5,958.50								
4314. NAVAL TRAINING STATION, CALIFORNIA, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	2,566.59								
Miscellaneous adjustments	20.00								
	2,586.59								
Expenditures by titles—									
R									2,255.56
S	13.72				13.72				2,856.92
X	1,929.09				1,929.09				
Total expenditures	1,942.81				1,942.81				5,112.48
Unexpended balance	643.78								
	2,586.59								
4315. NAVAL WAR COLLEGE, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	5,374.95								
Expenditures by titles—									
S									1,796.41
X	2,006.38				2,006.38				
	2,006.38				2,006.38				1,796.41
Miscellaneous expenditures	12.37								
Total expenditures	2,018.75								
Unexpended balance	3,356.20								
	5,374.95								
4316. NAVAL HOME, PHILADELPHIA, PA., 1924:									
Balance July 1, 1924	18,742.29								
Expenditures by titles—									
R									1,149.83
S	83.20	21.00			62.20				10,502.92
X	8,404.24				8,404.24				
Retirement fund deducted	.53	.53							
Total expenditures	8,486.91	20.47			8,466.44				11,652.75
Unexpended balance	10,255.38								
	18,742.29								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4317. PAY NAVAL ACADEMY, 1924:									
Balance July 1, 1924	$43,669.83								
Expenditures by titles—									
Transferred to retirement fund	797.42	$797.42							
Total expenditures	797.42	797.42							
Unexpended balance	42,872.41								
	43,669.83								
4318. CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY, 1924:									
Balance July 1, 1924	16,587.42								
Miscellaneous collections	1.00								
Miscellaneous adjustments	18.00								
	16,606.42								
Expenditures by titles—									
S	*5.00*			*$5.00*					
V	111.38				$111.38				$4,688.00
X	5,862.21				5,862.21				
Total expenditures	5,968.59			*5.00*	5,973.59				4,688.00
Unexpended balance	10,637.83								
	16,606.42								
4319. MAINTENANCE AND REPAIRS, NAVAL ACADEMY, 1924:									
Balance July 1, 1924	81,899.42								
Expenditures by titles—									
S	185.14	185.14							
V	29.07				12.07		$17.00		56,358.27
X	68,241.59				68,241.59				
Retirement fund deducted	*4.47*	*4.47*							
Transferred to retirement fund	556.73	556.73							
	69,008.06	737.40			68,253.66		17.00		56,358.27

Miscellaneous expenditures	206.22								
Total expenditures	69,214.28								
Unexpended ballance	12,685.14								
	81,899.42								
4322. ORGANIZING THE NAVAL RESERVE FORCE, 1924:									
Balance July 1, 1924	1,218,809.42								
Miscellaneous collections	12,875.10								
	1,231,684.52								
Expenditures by titles—									
B	35,065.71				508.00	$34,557.71			14,873.35
C	45,065.56	51.12	$18.18		493.27	44,438.53	64.46		9.38
D	42,823.40	19,256.40	10,254.54	4,578.00	2,097.59	6,636.87			3,815.29
K	173,115.97	82,358.66	51,801.96	35,495.35		3,460.00			10,079.11
P	6,346.38	593.84	326.77	353.62		5,072.15			98.06
S	38.47			38.47					109.23
V	270,280.70	462.28	179.90	236.27	22,539.99	*17,435.29*	264,297.55		33.35
X	30,752.82				16,054.74			$14,698.08	
Z	43,296.84	6,061.03	4,177.70	33,058.11					
Retirement fund deducted	*4,037.61*	*4,037.61*							
Transferred to retirement fund	9,604.75	9,604.75							
Indeterminate divided		54,465.71		12,293.34					
	652,352.99	168,816.18		86,053.16	41,693.59	76,729.97	264,362.01	14,698.08	29,017.77
Miscellaneous expenditures	322,880.57								
Total expenditures	975,233.56								
Unexpended balance	256,450.96								
	1,231,684.52								
4327. RECREATION FOR ENLISTED MEN, 1924:									
Balance July 1, 1924	130,672.05								
Miscellaneous collections	1,797.05								
	132,469.10								
Expenditures by titles—									
C	8,232.63				8,232.63				*.88*
E									*188.16*
S	*5.52*			*5.52*					45.55
V	88,855.22	30.00			88,257.61	567.61			*471.28*
X	8,128.18				8,278.18			*150.00*	

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4327. RECREATION FOR ENLISTED MEN, 1924—Continued.									
Retirement fund deducted	*$2.62*	*$0.75*			*$1.87*				
Transferred to retirement fund	152.23	152.23							
	105,360.12	181.48		*$5.52*	104,766.55	$567.61		*$150.00*	*$614.77*
Miscellaneous expenditures	185.01								
Total expenditures	105,545.13								
Unexpended balance	26,923.97								
	132,469.10								
4387. SALARIES, BUREAU OF NAVIGATION, 1924:									
Balance July 1, 1924	75.00								
Miscellaneous collections	668.07								
	743.07								
Unexpended balance	743.07								
4389. SALARIES, HYDROGRAPHIC OFFICE, 1924:									
Balance July 1, 1924	125.00								
Miscellaneous collections	345.40								
	470.40								
Unexpended balance	470.40								
4390. SALARIES, NAVAL OBSERVATORY, 1924:									
Miscellaneous collections	110.69								
Unexpended balance	110.69								
4391. GROUNDS AND ROADS, NAVAL OBSERVATORY, 1924:									
Balance July 1, 1924	401.20								
Miscellaneous collections	161.74								

	562.94								
Expenditures by titles—									
S	540.00						$540.00		
Total expenditures	540.00						540.00		
Unexpended balance	22.94								
	562.94								
4392. SALARIES, NAUTICAL ALMANAC OFFICE, 1924:									
Miscellaneous collections	.05								
Unexpended balance	.05								
4393. CONTINGENT AND MISCELLANEOUS EXPENSES, HYDROGRAPHIC OFFICE, 1924:									
Balance July 1, 1924	20,825.38								
Miscellaneous collections	759.18								
	21,584.56								
Expenditures by titles—									
V	18,635.46	3,823.41	$2,385.99	518.27		*985.00*	12,892.79		1,175.75
Retirement fund deducted	*145.78*	*145.78*							
Transferred to retirement fund	309.59	309.59							
Indeterminate divided		2,044.24		341.75					
	18,799.27	6,031.46		860.02		*985.00*	12,892.79		1,175.75
Miscellaneous expenditures	327.16								
Total expenditures	19,126.43								
Unexpended balance	2,458.13								
	21,584.56								
4395. CONTINGENT AND MISCELLANEOUS EXPENSES, NAVAL OBSERVATORY, 1924:									
Balance July 1, 1924	2,131.94								
Miscellaneous collections	66.91								
	2,198.85								
Expenditures by titles—									
S	1,838.51						1,838.51		
Transferred to retirement fund	6.47	6.47							
Total expenditures	1,844.98	6.47					1,838.51		
Unexpended balance	353.87								
	2,198.85								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4397. PURCHASE OF LAND, NAVAL OBSERVATORY, 1924:									
Amount appropriated	$4,041.00								
Unexpended balance	4,041.00								
4401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE: 1924,									
Balance July 1, 1924	2,263,618.57								
Balance in hands of other Government departments	157,661.50								
Miscellaneous collections	114.44								
	2,421,394.51								
Expenditures by titles—									
B	*199.98*					*$199.98*			$225,995.90
C	2,549.43					2,540.43	$9.00		*15,139.88*
D	334.99				$335.00	*.01*			*3,670.86*
P	*4.97*	*$36.56*	*$11.56*	*$6.85*		50.00			21.24
R	5,250.00				5,250.00				
G	550.75	550.75							
S	17,857.66	12,091.70		1,871.47	3,890.64		3.85		41,762.51
V	342,895.34	123,477.21	139,101.44	4,681.78	75,350.21	*4.50*	289.20		486,466.93
X	648,268.45				641,383.73			$6,884.72	
Z	861,726.67	538,704.48	187,822.32	135,199.87					116,825.38
Over-absorbed	*.40*		*.40*						
Retirement fund deducted	*23,794.38*	*23,794.38*							
Transferred to retirement fund	26,134.75	26,134.75							
Indeterminate divided		281,904.71		45,007.09					
	1,881,568.31	959,032.66		186,753.36	726,209.58	2,385.94	302.05	6,884.72	852,261.22
Miscellaneous expenditures	71.36								
Total expenditures	1,881,639.67								
Balance in hands of other Government departments	123,945.50								
Unexpended balance	415,809.34								
	2,421,394.51								

4402. CONTINGENT, BUREAU OF ORDNANCE, 1924:									
Balance July 1, 1924	7,680.82								
Miscellaneous collections	4.32								
Miscellaneous adjustments	3.50								
	7,688.64								
Expenditures by titles—									
S									526.07
V	293.35				293.35				
X	639.70				639.70				
Total expenditures	933.05				933.05				526.07
Unexpended balance	6,755.59								
	7,688.64								
4406. EXPERIMENTS, BUREAU OF ORDNANCE, 1924:									
Balance July 1, 1924	29,294.57								
Expenditures by titles—									
S									19.16
V	4,150.64	1,293.38			2,857.26				779.14
X	9,222.98				9,208.04			14.94	
Z	7,249.59	3,185.19	2,641.95.	1,422.45					36.36
Retirement fund deducted	*170.24*	*170.24*							
Transferred to retirement fund	1,010.13	1,010.13							
Indeterminate divided		2,377.75		264.20					
Total expenditures	21,463.10	7,696.21		1,686.65	12,065.30			14.94	834.66
Unexpended balance	7,831.47								
	29,294.57								
3410. SCRAPPING OF NAVAL VESSELS (ORDNANCE), 1923-24:									
Balance July 1, 1924	1,080,479.88								
Expenditures by titles—									
A	5,199.15				5,199.15				
V	21,595.66				21,595.66				
X	17,490.79						17,490.79		
	44,285.60				26,794.81		17,490.79		
Miscellaneous expenditures	1,036,194.28								
Total expenditures	1,080,479.88								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4494. SALARIES, BUREAU OF ORDNANCE, 1924:									
Balance July 1, 1924	$0.25								
Miscellaneous collections	129.36								
	129.61								
Unexpended balance	129.61								
4501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1924:									
Balance July 1, 1924	501,453.56								
Balance in hands of other Government departments	325,350.00								
Miscellaneous collections	3,112.97								
	829,916.53								
Expenditures by titles—									
A	7.68			$7.68					
B	42,054.67					$41,962.67		$92.00	$331.86
C	45,332.63				$21,871.54	33,890.78	*$10,429.69*		*267.00*
D	60,357.61	*$32.12*	*$16.06*	*2,655.04*	57,035.01	6,025.82			360.86
K	3,758.41	1,711.76	932.04	*209.39*	1,324.00				2,595.63
P	838.62	36.56	11.56	6.85	382.53	401.12			*15.90*
E	*2,982.34*			*2,982.34*					3,764.34
R	6,621.82			6,621.82					8,857.54
G	288.67	1,210.67		*922.00*					*46.54*
S	*136.04*	82.26		*218.30*					735.63
V	19,294.60	155.14	46.26	608.82	16,062.47	2,410.91	11.00		707.15
X	126,756.30				97,023.14	2,824.00		26,909.16	
Z	21,410.97	10,015.95	4,585.54	6,809.48					96.21
Overabsorbed	*7.70*		*7.70*						
Retirement fund deducted	*454.26*	*442.14*			*12.12*				
Transferred to retirement fund	17,134.49	17,134.49							
Indeterminate divided		4,626.98		924.66					
	340,276.13	34,499.55		7,992.24	193,686.57	87,515.30	*10,418.69*	27,001.16	17,119.78

Miscellaneous expenditures	2,768.89									
Total expenditures	343,045.02									
Balance in hands of other Government departments	325,350.00									
Unexpended balance	161,521.51									
	829,916.53									
4594. SALARIES, BUREAU OF CONSTRUCTION AND REPAIR, 1924:										
Miscellaneous collections	145.91									
Unexpended balance	145.91									
4601. ENGINEERING, BUREAU OF ENGINEERING, 1924:										
Balance July 1, 1924	1,071,062.60									
Miscellaneous collections	5,870.81									
Miscellaneous adjustments	572.90									
	1,077,506.31									
Expenditures by titles—										
B	42,147.19					42,239.19		*92.00*	6,772.11	
C	55,522.25				454.79	55,038.28	29.18		25.00	
D	57,593.21	684.81	318.62	*939.33*	30,443.00	27,086.11			757.60	
K	12,212.75	*286.49*	*108.76*	*508.95*	3,310.87	9,806.08			*53.45*	
P	299.90					299.90			*264.00*	
E	18,593.56	9,643.62	3,656.63	5,293.31					62,161.72	
R	1,936.67			1,936.67					20,206.74	
G	32,764.50	7,620.47	4,628.39	18,094.41	2,421.23				8,136.30	
S	698.26	106.36		*173.15*	731.05	34.00			31,698.72	
V	19,426.46	4,679.61		*26.45*	9,975.37	4,690.99	115.94	*9.00*	1,713.96	
O	6,894.14				6,894.14					
X	156,120.28				133,494.03	11,547.85	*70.00*	11,148.40		
Z	226,291.04	53,623.70	36,104.47	136,562.87					137.01	
Underabsorbed	18.41		18.41							
Retirement fund deducted	*2,775.41*	*2,775.41*								
Transferred to retirement fund	26,566.90	26,566.90								
Indeterminate divided		35,447.68		9,170.08						
Total expenditures	654,310.11	135,311.25		169,409.46	187,724.48	150,742.40	75.12	11,047.40	131,291.71	
Unexpended balance	423,196.20									
	1,077,506.31									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4602. ENGINEERING, EXPERIMENTAL STATION, ANNAPOLIS, MD., 1924:									
Balance July 1, 1924	$10,457.40								
Expenditures by titles—									
R									$4,589.40
S	51.92	$51.92							3,147.16
V									76.80
X	4,949.89				$4,949.89				
Retirement fund deducted	*1.30*	*1.30*							
Transferred to retirement fund	212.35	212.35							
Total expenditures	5,212.86	262.97			4,949.89				7,813.36
Unexpended balance	5,244.54								
	10,457.40								
4694. SALARIES, BUREAU OF ENGINEERING, NAVY DEPARTMENT, 1924:									
Balance July 1, 1924	2,827.27								
Miscellaneous collections	1,185.69								
	4,012.96								
Unexpended balance	4,012.96								
4701. PAY OF THE NAVY, 1924:									
Balance July 1, 1924	8,970,680.75								
Miscellaneous collections	79,977.29								
	9,050,658.04								
Expenditures by titles—									
C	25,241.04						$25,241.04		
G	2,404.52						2,404.52		
S	3,041.54						3,041.54		
V	1,259,138.67				16,079.42		1,243,059.25		
	1,289,825.77				16,079.42		1,273,746.35		

Miscellaneous expenditures	26,684.57									
Total expenditures	1,316,510.34									
Unexpended balance	7,734,147.70									
	9,050,658.04									
3702. PROVISIONS, NAVY, BUREAU OF SUPPLIES AND ACCOUNTS, 1923-24:										
Balance July 1, 1924	96,119.92									
Miscellaneous collections	136.36									
Miscellaneous adjustments	84,965.11									
	181,221.39									
Expenditures by titles—										
C	19,373.80				289.27	$18,990.78	93.75			
G	77.18					77.18				
S	18.71					.71	18.00			
V	561.78				234.06		327.72			
X	586.98				586.98					
Transferred to retirement fund	4,469.24	4,469.24								
Total expenditures	25,087.69	4,469.24			1,110.31	19,068.67	439.47			
Unexpended balance	156,133.70									
	181,221.39									
4704. MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS, 1924:										
Balance July 1, 1924	94,611.76									
Miscellaneous collections	512.53									
Miscellaneous adjustments	1,019.89									
	96,144.18									
Expenditures by titles—										
B	1,632.92					1,660.73		*$27.81*	*11.50*	
C	4,744.73				15.90	4,728.83			*64.86*	
P	620.60				253.90	366.70			*Cr. 22.02*	
R									125.75	
G	1,357.79	1,357.79							*Cr. 25.05*	
S	1,768.73	1,779.46		*$27.50*	16.77				221.55	
V	29,909.47	88.41		368.58	29,377.73		74.75		252.54	
X	6,232.59				6,227.44			5.15		
Retirement fund deducted	*78.78*	*78.78*								
Transferred to retirement fund	14,806.45	14,806.45								
Total expenditures	60,994.50	17,953.33		341.08	35,891.74	6,756.26	74.75	*22.66*	499.41	
Unexpended balance	35,149.68									
	96,144.18									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1924:									
Balance July 1, 1924	$1,228,819.89								
Miscellaneous collections	10,501.69								
	1,239,321.58								
Expenditures by titles—									
G									$2,079.03
S	57.86			*$1.52*	$59.38				3,881.82
V	573,513.25				575,100.27	$376.35	*$1,963.37*		5,417.01
X	7,228.65				8,600.12			*$1,371.47*	
Transferred to retirement fund	16,369.64	$16,369.64							
	597,169.40	16,369.64		*1.52*	583,759.77	376.35	*1,963.37*	*1,371.47*	11,377.86
Miscellaneous expenditures	969.03								
Total expenditures	598,138.43								
Unexpended balance	641,183.15								
	1,239,321.58								
4708. FUEL AND TRANSPORTATION, BUREAU OF SUPPLIES AND ACCOUNTS, 1924:									
Balance July 1, 1924	2,872,921.86								
Miscellaneous collections	104.06								
	2,873,025.92								
Expenditures by titles:									
B	*3,993.60*					*3,993.60*			3,144.03
C	502,641.95				63.60	500,286.34	563.45	1,728.56	1,728.56
R	2,074.14	1,130.69		943.45					
G	1,222.64			1,222.64					*39.89*
S	1,417.48	*962.63*		2,380.11					*1,351.52*
V	5,149.41				4,431.67	750.67	*32.93*		
X	1,006.41				212.47			793.94	
Z	2,068.08			2,068.08					
Retirement fund deducted	*4.16*	*4.16*							

Transferred to retirement fund	3,332.26	3,332.26							
Miscellaneous expenditures	514,914.61 374.36	3,496.16		6,614.28	4,707.74	497,043.41	530.52	2,522.50	3,481.18
Total expenditures	515,288.97								
Unexpended balance	2,357,736.95								
	2,873,025.92								
4794. Salaries, Bureau of Supplies and Accounts, 1924:									
Balance July 1, 1924	635.87								
Miscellaneous collections	386.29								
	1,022.16								
Unexpended balance	1,022.16								
4121. General Expenses, Lighthouse Service, 1924 (Navy Allotment):									
Balance July 1, 1924	9,883.00								
Miscellaneous collections	1,420.10								
	11,303.10								
Miscellaneous expenditures	11,303.10								
4162. Party Expenses, Coast and Geodetic Survey, 1924 (Navy Allotment):									
Balance July 1, 1924	12,000.00								
Miscellaneous collections	1,442.00								
	13,442.00								
Miscellaneous expenditures	13,442.00								
4163. Coast Guard, 1924 (Navy Allotment):									
Balance July 1, 1924	25,000.00								
Miscellaneous expenditures	16,567.24								
Unexpended balance	8,432.76								
	25,000.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4165. ENGINEER OPERATIONS IN THE FIELD, 1924 (NAVY ALLOTMENT):									
Balance July 1, 1924	$9,620.00								
Unexpended balance	9,620.00								
4433. FIRE CONTROL AT FORTIFICATIONS, 1924 (NAVY ALLOTMENT):									
Balance July 1, 1924	4,722.00								
Miscellaneous expenditures	4,722.00								
4805. MEDICAL AND HOSPITAL SERVICES, NAVY DEPARTMENT, 1924 (NAVY ALLOTMENT FROM VETERANS' BUREAU):									
Balance July 1, 1924	*24,219.16*								
Miscellaneous collections	29,000.00								
Miscellaneous adjustments	123.30								
	4,904.14								
Expenditures by titles:									
Other Government departments	963.60				$926.02		$37.58		
Transferred to retirement fund	4.00	$4.00							
Total expenditures	967.60	4.00			926.02		37.58		
Unexpended balance	3,936.54								
	4,904.14								
4875. AIR SERVICE, ARMY, 1924 (NAVY ALLOTMENT):									
Balance	175,709.28								
Expenditures by titles—									
R									$85,044.80
S									8,727.20
X	10,926.21				10,926.21				
Other Government departments	96,985.57				89,978.80			$7,006.77	
	107,911.78				100,905.01			7,006.77	93,772.00

Miscellaneous expenditures	61,600.00									
Total expenditures	169,511.78									
Unexpended balance	6,197.50									
	175,709.28									
801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1924:										
Balance July 1, 1924	294,964.43									
Miscellaneous collections	1,684.52									
	296,648.95									
Expenditures by titles:										
C	224.01				224.01				119.90	
G	*3,379.68*	*3,806.40*			426.72				2.00	
S	4,501.01	3,806.40			675.06		19.55		3,510.56	
V	171,391.32				166,393.40			4,997.92		
X	172,736.66				167,719.19		19.55	4,997.92	3,632.46	
Miscellaneous expenditures	322.14									
Total expenditures	173,058.80									
Unexpended balance	123,590.15									
	296,648.95									
4802. CONTINGENT, BUREAU OF MEDICINE AND SURGERY, 1924:										
Balance July 1, 1924	149,068.09									
Miscellaneous collections	96.84									
	149,164.93									
Expenditures by titles—										
C	1,001.83				944.84	$56.99			248.24	
R	*1.69*			*$1.69*					6,095.63	
G	2,786.46			90.44	2,696.02				156.62	
S	15,525.17				15,287.59		237.58		43,432.57	
V	86,646.34				83,092.52			3,553.82	5,524.65	
X	2,218.47	1,062.42	$587.34	568.71						
Z	*38.65*	*38.65*							8,847.84	
Retirement fund deducted	304.15	304.15								
Transferred to retirement fund		505.64		81.70						
Indeterminate divided	108,442.08	1,833.56		739.16	102,020.97	56.99	237.58	3,553.82	46,609.87	
Miscellaneous expenditures	346.90									
Total expenditures	108,788.98									
Unexpended balance	40,375.95									
	149,164.93									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4803. BRINGING HOME REMAINS OF OFFICERS, ETC., NAVY DEPARTMENT, 1924:									
Balance July 1, 1924	$4,974.94								
Miscellaneous collections	275.60								
Miscellaneous adjustments	604.39								
	5,854.93								
Expenditures by titles—									
S									$190.50
V	5,214.58				$5,214.47		$0.11		602.00
X	616.50				616.50				
Transferred to retirement fund	21.37	$21.37							
Total expenditures	5,852.45	21.37			5,830.97		.11		792.50
Unexpended balance	2.48								
	5,854.93								
4804. CARE OF HOSPITAL PATIENTS, BUREAU OF MEDICINE AND SURGERY, 1924:									
Balance July 1, 1924	37,239.79								
Expenditures by titles—									
V	11,134.86				11,069.65		65.21		
Miscellaneous expenditures	279.81								
Total expenditures	11,414.67				11,069.65		65.21		
Unexpended balance	25,825.12								
	37,239.79								
4825. SALARIES, BUREAU OF MEDICINE AND SURGERY, 1924:									
Miscellaneous collections	243.86								
Unexpended balance	243.86								

4852. AVIATION, NAVY (NEW AIRCRAFT AND EQUIPMENT), 1924:									
Balance July 1, 1924	4,393,525.62								
Balance in hands of other Government departments	62,810.00								
Miscellaneous collections	158.08								
Miscellaneous adjustments	48.69								
	4,456,542.39								
Expenditures by titles—									
B									20,901.43
V	2,843.72				2,843.72				33,000.00
X	3,520,665.17				3,520,665.17				
Z	71,633.00	35,397.41	$36,509.69	*$274.10*					14,512.42
Retirement fund deducted	*1,656.98*	*1,656.98*							
Transferred to retirement fund	10,427.53	10,427.53							
Indeterminate divided		30,787.02		5,722.67					
Total expenditures	3,603,912.44	74,954.98		5,448.57	3,523,508.89				68,413.85
Unexpected balance	852,629.95								
	4,456,542.39								
4853. AVIATION, NAVY (NAVIGATIONAL, AEROLOGICAL, RADIO, PHOTOGRAPHIC, AND MISCELLANEOUS EQUIPMENT), 1924:									
Balance July 1, 1924	143,393.82								
Miscellaneous collections	45.00								
	143,438.82								
Expenditures by titles—									
B									1,411.58
S									25.28
V									*479.00*
X	128,386.89				123,014.73	$807.48		$4,564.68	
Z	*219.24*	*135.37*	*83.81*	*.06*					*67.00*
Retirement fund deducted	5.26	5.26							
Transferred to retirement fund	229.96	229.96							
Indeterminate divided		*75.43*		*8.38*					
	128,402.87	24.42		*8.44*	123,014.73	807.48		4,564.68	890.86
Miscellaneous expenditures	1,209.32								
Total expenditures	129,612.19								
Unexpended balance	13,826.63								
	143,438.82								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
4854. AVIATION, NAVY (MAINTENANCE AND REPAIRS), 1924:									
Balance July 1, 1924	$1,421,276.29								
Balance in hands of other Government departments	25,400.00								
Miscellaneous collections	732.93								
	1,447,409.22								
Expenditures by titles—									
B	202.35				$202.35				$76,208.38
C	21.06				21.06				
R	11,677.54				11,677.54				110,494.93
G	8,995.74	$2,174.10	$2,142.50	$783.74	3,895.40				5,687.76
S	1,924.31	1,721.09			203.22				*1,598,297.52*
V	91,644.90	65,414.61	62,483.88	506.84	1,585.54	*$131.09*	$153.39	*$38,368.27*	91,844.43
O	41.00				41.00				
X	661,169.20				670,237.67		*56.21*	*9,012.26*	
Z	217,805.43	44,154.57	42,735.49	130,915.37					25,865.10
Retirement fund deducted	*5,070.46*	*5,070.46*							
Transferred to retirement fund	34,553.98	34,553.98							
Indeterminate divided		90,027.17		17,334.70					
	1,022,965.05	232,975.06		149,540.65	687,863.78	*131.09*	97.18	*47,380.53*	*1,288,196.92*
Miscellaneous expenditures	1,506.08								
Total expenditures	1,024,471.13								
Amount reappropriated	109,335.00								
Unexpended balance	313,603.09								
	1,447,409.22								
4855. AVIATION, NAVY (EXPERIMENTS AND DEVELOPMENTS), 1924:									
Balance July 1, 1924	445,158.39								
Miscellaneous collections	2,007.20								
	447,165.59								
Expenditures by titles—									
B									479.39
V	3,872.50				3,872.50				20,041.03
X	319,109.52				319,109.52				
Z	113,799.84	61,474.54	51,990.34	334.96					51,824.81

Retirement fund deducted	*2,584.75*	*2,584.75*								
Transferred to retirement fund	10,043.14	10,043.14								
Indeterminate divided		42,203.38		9,786.96						
Total expenditures	444,240.25	111,136.31		10,121.92	322,982.02					72,345.23
Unexpended balance	2,925.34									
	447,165.59									
4856. AVIATION, NAVY (CLERICAL FORCE), 1924:										
Balance July 1, 1924	47,834.37									
Miscellaneous adjustments	180.00									
	48,014.37									
Expenditures by titles—										
G	934.15	934.15								
S	81.72	81.72								
V	341.14	257.46						83.68		
Retirement fund deducted	*31.11*	*31.11*								
Transferred to retirement fund	2,671.73	2,671.73								
Total expenditures	3,997.63	3,913.95						83.68		
Unexpended balance	44,016.74									
	48,014.37									
4894. SALARIES, BUREAU OF AERONAUTICS, 1924:										
Balance July 1, 1924	4.92									
Miscellaneous collections	3,113.36									
	3,118.28									
Unexpended balance	3,118.28									
4901. PAY, MARINE CORPS, 1924:										
Balance July 1, 1924	2,363,630.91									
Miscellaneous collections	2,050.97									
	2,365,681.88									
Expenditures by titles—										
C	1,273.42							1,273.42		
V	95.49							95.49		
Marine Corps	40,706.75				84.16			40,622.59		
	42,075.66				84.16			41,991.50		
Miscellaneous expenditures	943,260.50									
Total expenditures	985,336.16									
Unexpended balance	1,380,345.72									
	2,365,681.88									

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Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoiee	Auditor's settlements, pay and allowanees	Miscellaneous adjustments	A. P. A. material and statistical overhead
4902. MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS, 1924:									
Balanee July 1, 1924	$1,493,055.69								
Balance in hands of other Government departments.	137.61								
Miseellaneous eolleetions	58,627.47								
Miscellaneous adjustments	73,251.37								
	1,625,072.14								
Expenditures by titles—									
X	*543.23*							*$543.23*	
Retirement fund deducted	*535.93*	*$535.93*							
Marine Corps	1,274,156.17	17,482.08	$6,142.62	$5,916.78	$1,230,573.04	$8,174.90	$41,799.02	*35,932.27*	
Transferred to retirement fund	11,414.93	11,414.93							
Indeterminate divided		4,959.91		1,182.71					
Total expenditures	1,284,491.94	33,320.99		7,099.49	1,230,573.04	8,174.90	41,799.02	*36,475.50*	
Unexpended balance	340,580.20								
	1,625,072.14								
3101. PAY MISCELLANEOUS, 1923:									
Balanee July 1, 1924	608,743.74								
Amount appropriated	7,878.75								
Miseellaneous eollections	764.26								
Miscellaneous adjustments	39,940.72								
	657,327.47								
Expenditures by titles—									
S	2.50				2.50				$24.90
V	10,509.13				11,583.63		[1]*1,074.50*		18.15
X	29.90				29.90				
Total expenditures	10,541.53				11,616.03		[1]*1,074.50*		43.05
Surplus fund	646,801.94								
Unexpended balanee	*16.00*								
	657,327.47								

3102. CONTINGENT, NAVY, 1923:										
Balance July 1, 1924	14,745.92									
Miscellaneous adjustments	1,501.87									
	16,247.79									
Expenditures by titles—										
V	18.15							18.15		
Surplus fund	16,229.64									
	16,247.79									
3104. CARE OF LEPERS, ETC., ISLAND OF GUAM, 1923:										
Balance July 1, 1924	425.66									
Surplus fund	425.66									
3109. INCREASE OF COMPENSATION, NAVY DEPARTMENT, 1923:										
Balance July 1, 1924	19,334.89									
Surplus fund	19,334.89									
3110. INCREASED COMPENSATION, CIVILIAN EMPLOYEES, NAVAL ESTABLISHMENT, 1923:										
Balance July 1, 1924	26,977.93									
Miscellaneous expenditures	4,159.14									
Surplus fund	22,818.79									
	26,977.93									
3111. SCRAPPING OF NAVAL VESSELS, 1923:										
Balance July 1, 1924	150,888.76									
Miscellaneous expenditures	150,888.76									
3174. SALARIES, OFFICE OF SECRETARY OF THE NAVY, 1923:										
Balance July 1, 1924	1,750.51									
Surplus fund	1,750.51									
3175. LIBRARY, NAVY DEPARTMENT, 1923:										
Balance July 1, 1924	56.50									
Surplus fund	56.50									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3176. ADDITIONAL EMPLOYEES, NAVY DEPARTMENT, 1923:									
Balance July 1, 1924	$29,119.08								
Surplus fund	29,119.08								
3177. CONTINGENT EXPENSES, NAVY DEPARTMENT, 1923:									
Balance July 1, 1924	2,378.94								
Miscellaneous expenditures	.26								
Surplus fund	2,378.68								
	2,378.94								
3178. PRINTING AND BINDING, NAVY DEPARTMENT, 1923:									
Miscellaneous collections	171.00								
Surplus fund	171.00								
3179. SALARIES, OFFICE OF THE SOLICITOR, 1923:									
Balance July 1, 1924	542.23								
Surplus fund	542.23								
3180. SALARIES, OFFICE OF NAVAL RECORDS AND LIBRARY, 1923:									
Balance July 1, 1924	379.66								
Surplus fund	379.66								
3181. NAVAL RECORDS OF WAR WITH CENTRAL POWERS OF EUROPE, 1923:									
Balance July 1, 1924	137.95								
Surplus fund	137.95								

3183. SALARIES, OFFICE OF JUDGE ADVOCATE GENERAL, U. S. NAVY. 1923:										
Balance July 1, 1924	178.85									
Surplus fund	178.85									
3184. SALARIES, OFFICE OF CHIEF OF NAVAL OPERATIONS, 1923:										
Balance July 1, 1924	66.63									
Surplus fund	66.63									
3185. SALARIES, OFFICE OF DIRECTOR OF NAVAL COMMUNICATIONS, 1923:										
Balance July 1, 1924	5,963.19									
Surplus fund	5,963.19									
3186. SALARIES, OFFICE OF NAVAL INTELLIGENCE, 1923:										
Balance July 1, 1924	76.43									
Surplus fund	76.43									
3201. MAINTENANCE, BUREAU OF YARDS AND DOCKS, 1923:										
Balance July 1, 1924	6,055.80									
Miscellaneous collections	56.60									
	6,112.40									
Expenditures by titles—										
R	3,491.87	$3,373.18		$118.69						$1,667.06
S	*3,568.60*	*3,373.18*		*232.54*	$31.00		$6.12			3,581.49
X	876.96				312.80		564.16			
Transferred to retirement fund	651.39	651.39								
	1,451.62	651.39		*113.85*	343.80		570.28			5,248.55
Miscellaneous expenditures	4,321.83									
Total expenditures	5,773.45									
Surplus fund	338.95									
	6,112.40									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3203. CONTINGENT, BUREAU OF YARDS AND DOCKS, 1923:									
Balance July 1, 1924	$9,467.93								
Miscellaneous adjustments	1,224.58								
	10,692.51								
Expenditures by titles—									
E	*80.60*	*$53.73*	*$26.87*						$6,127.86
G									2,138.88
X	10,382.33				$10,382.33				
Indeterminate divided		*16.12*		*$10.75*					
Total expenditures	10,301.73	*69.85*		*10.75*	10,382.33				8,266.74
Surplus fund	390.78								
	10,692.51								
3209. SALARIES, BUREAU OF YARDS AND DOCKS, 1923:									
Balance July 1, 1924	192.59								
Surplus fund	192.59								
3301. CONTINGENT, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	6,359.37								
Miscellaneous expenditures	14.71								
Surplus fund	6,344.66								
	6,359.37								
3302. TRANSPORTATION, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	*208,358.37*								
Amount reappropriated	228,542.11								
Miscellaneous collections	637.47								
	20,821.21								

Expenditures by titles—										
V	18,098.70				14,647.96		$3,450.74			
Miscellaneous expenditures	1,898.95									
Total expenditures	19,997.65									
Surplus fund	822.46									
Unexpended balance	1.10									
	20,821.21									
3305. GUNNERY AND ENGINEERING EXERCISES, BUREAU OF NAVIGATION, 1923:										
Balance July 1, 1924	2,891.18									
Expenditures by titles—										
V	120.00						120.00			
X	17.00				17.00					
	137.00				17.00		120.00			
Miscellaneous expenditures	294.42									
Total expenditures	431.42									
Surplus fund	2,459.76									
	2,891.18									
3309. INSTRUMENTS AND SUPPLIES, BUREAU OF NAVIGATION, 1923:										
Balance July 1, 1924	147,197.83									
Miscellaneous adjustments	8.43									
	147,206.26									
Expenditures by titles—										
C	47.14					$47.14				95.00
D										*23.05*
P										23.05
S										15.00
V	4,328.90				4,328.90					42.20
X	37,162.50				37,162.50					
Total expenditures	41,538.54				41,491.40	47.14				152.20
Surplus fund	105,667.72									
	147,206.26									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3310. OCEAN AND LAKE SURVEYS, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	$31,691.71								
Surplus fund	31,691.71								
3311. NAVAL TRAINING STATION, RHODE ISLAND, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	56.16								
Transferred to retirement fund	.39	$0.39							
Surplus fund	55.77								
	56.16								
3312. MAINTENANCE, NAVAL OPERATING BASE, HAMPTON ROADS, VA., 1923:									
Balance July 1, 1924	7,001.48								
Expenditures by titles—									
S	64.00			$64.00					$22.50
X	22.50				$22.50				
Total expenditures	86.50			64.00	22.50				22.50
Surplus fund	6,914.98								
	7,001.48								
3313. NAVAL TRAINING STATION, GREAT LAKES, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	79.70								
Miscellaneous collections	72.22								
	151.92								
Transferred to retirement fund	.48	.48							
Surplus fund	151.44								
	151.92								

3314. NAVAL TRAINING STATION, CALIFORNIA, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	4,362.08								
Surplus fund	4,362.08								
3315. NAVAL WAR COLLEGE, BUREAU OF NAVIGATION, 1923:									
Balance July 1, 1924	1,171.50								
Miscellaneous adjustments	12.37								
	1,183.87								
Expenditures by titles—									
S									46.50
X	46.50				46.50				
Total expenditures	46.50				46.50				46.50
Surplus fund	1,137.37								
	1,183.87								
3316. NAVAL HOME, PHILADELPHIA, PA., 1923:									
Balance July 1, 1924	8,016.79								
Transferred to retirement fund	.43	.43							
Returned to Navy pension fund, interest	8,016.36								
	8,016.79								
3317. PAY, NAVAL ACADEMY, 1923:									
Balance July 1, 1924	84,797.06								
Transferred to retirement fund	3.45	3.45							
Surplus fund	84,793.61								
	84,797.06								
3318. CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY, 1923:									
Balance July 1, 1924	8,691.35								
Expenditures by titles:									
S									20.00
X	22.75				22.75				
Total expenditures	22.75				22.75				20.00
Surplus fund	8,668.60								
	8,691.35								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3319. MAINTENANCE AND REPAIRS, NAVAL ACADEMY, 1923:									
Balance July 1, 1924	$23,253.52								
Miscellaneous adjustments	208.88								
	23,462.40								
Expenditures by titles—									
S									$10,674.50
X	8,732.06				$9,347.00		*$614.94*		
Transferred to retirement fund	13.97	$13.97							
Total expenditures	8,746.03	13.97			9,347.00		614.94		10,674.50
Surplus fund	14,716.37								
	23,462.40								
3322. ORGANIZING THE NAVAL RESERVE FORCE, 1923:									
Balance July 1, 1924	654,752.83								
Miscellaneous collections	2,453.15								
Miscellaneous adjustments	23,021.83								
	680,227.81								
Expenditures by titles—									
B	*258.12*					*$258.12*			
C					760.11		*760.11*		
D	*151.65*			*$244.40*	47.75		45.00		
K	244.40			244.40					
S									*447.70*
V	4,066.74				21.37		4,045.37		
X	37.28				19.28			$18.00	
Transferred to retirement fund	1,534.56	1,534.56							
Total expenditures	5,473.21	1,534.56			848.51	*258.12*	3,330.26	18.00	*447.70*
Surplus fund	674,876.60								
Unexpended balance	*122.00*								
	680,227.81								

3327. RECREATION FOR ENLISTED MEN, Navy, 1923:										
Balance July 1, 1924	20,289.34									
Miscellaneous collections	3.00									
	20,292.34									
Expenditures by titles—										
V	13.50				13.50					*3,000.00*
Transferred to retirement fund	35.53	35.53								
	49.03	35.53			13.50					*3,000.00*
Miscellaneous expenditures	259.70									
Total expenditures	308.73									
Surplus fund	19,983.61									
	20,292.34									
3387. SALARIES, BUREAU OF NAVIGATION, 1923:										
Balance July 1, 1924	2,275.69									
Surplus fund	2,275.69									
3389. SALARIES, HYDROGRAPHIC OFFICE, 1923:										
Balance July 1, 1924	3,745.16									
Surplus fund	3,745.16									
3390. SALARIES, NAVAL OBSERVATORY, 1923:										
Balance July 1, 1924	888.18									
Surplus fund	888.18									
3391. GROUNDS AND ROADS, NAVAL OBSERVATORY, 1923:										
Balance July 1, 1924	231.44									
Surplus fund	231.44									
3392. SALARIES, NAUTICAL ALMANAC OFFICE, 1923:										
Balance July 1, 1924	94.27									
Surplus fund	94.27									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3393. CONTINGENT AND MISCELLANEOUS EXPENSES, HYDROGRAPHIC OFFICE, 1923:									
Balance July 1, 1924	$11,738.92								
Miscellaneous collections	2.56								
	11,741.48								
Expenditures by titles—									
V	917.30						$917.30		
Transferred to retirement fund	33.98	$33.98							
Total expenditures	951.28	33.98					917.30		
Surplus fund	10,790.20								
	11,741.48								
3395. CONTINGENT AND MISCELLANEOUS EXPENSES, NAVAL OBSERVATORY, 1923:									
Balance July 1, 1924	497.58								
Expenditures by titles—									
S	22.70						22.70		
Transferred to retirement fund	10.38	10.38							
Total expenditures	33.08	10.38					22.70		
Surplus fund	464.50								
	497.58								
3401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1923:									
Balance July 1, 1924	385,889.22								
Balance in hands of other Government departments	3,500.00								
Miscellaneous collections	1.70								
Miscellaneous adjustments	41,124.26								
	430,515.18								

Expenditures by titles—									
B									$22,977.40
C	330.00					$330.00			
G	2.00	2.00							
S	3,838.33	3,819.33		$19.00					10,159.79
V	4,770.24	*432.28*			$5,202.52				*2,013.46*
X	46,219.41				72,198.32		*25,778.91*	*$200.00*	
Z	113,338.28	59,432.87	$43,802.68	10,102.73					38,677.19
Retirement fund deducted	*2,032.40*	*2,032.40*							
Transferred to retirement fund	7,672.88	7,672.88							
Indeterminate divided		38,772.69		5,029.99					
Total expenditures	174,138.74	107,235.09		15,151.72	77,400.84	330.00	*25,778.91*	*200.00*	69,800.92
Surplus fund	259,208.55								
Unexpended balance	*2,832.11*								
	430,515.18								
3402. CONTINGENT, BUREAU OF ORDNANCE, 1923:									
Balance July 1, 1924	7,535.47								
Expenditures by titles—									
G									1.10
Surplus fund	7,535.47								
3406. EXPERIMENTS, BUREAU OF ORDNANCE, 1923:									
Balance July 1, 1924	30,566.92								
Expenditures by titles—									
V	*12.37*				98.40		*110.77*		
Surplus fund	30,579.29								
	30,566.92								
3494. SALARIES, BUREAU OF ORDNANCE, 1923:									
Balance July 1, 1924	1,452.00								
Surplus fund	1,452.00								
3501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1923:									
Balance July 1, 1924	187,276.29								
Balance in hands of other Government departments	10,176.00								
Miscellaneous adjustments	13,471.84								
	210,924.13								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1923—Continued.									
Expenditures by titles—									
B	*$22.64*						*$22.64*		
C	4,242.93					$4,242.93			
D	1,463.36						1,463.36		$666.12
E									7,970.08
G	12.50						12.50		
S	58.40	$58.40							
V	139.60				*$3.91*	5.30	138.21		198.37
X	43,807.85				37,872.27	*62.34*	*938.02*	$6,935.94	999.71
Retirement fund deducted	*1.43*	*1.43*							
Transferred to retirement fund	22.84	22.84							
Total expenditures	49,723.41	79.81			37,868.36	4,185.89	653.41	6,935.94	9,834.28
Surplus fund	161,200.72								
	210,924.13								
3594. SALARIES, BUREAU OF CONSTRUCTION AND REPAIR, 1923:									
Balance July 1, 1924	1,082.53								
Surplus fund	1,082.53								
3601. ENGINEERING, BUREAU OF ENGINEERING, 1923:									
Balance July 1, 1924	301,230.70								
Miscellaneous collections	379.58								
Miscellaneous adjustments	571.37								
	302,181.65								
Expenditures by titles—									
B	*210.87*					*210.87*			8,000.00
C	4,602.93				70.14	4,602.93	*70.14*		
D	*220.31*			*$1,070.60*	780.29		70.00		
K	3,269.34			600.00		2,669.34			*524.00*
E	*63.79*			*63.79*					9,253.18
R									550.00
G	33.50			33.50					240,891.80

S	267.46			40.00			227.46		
V	32,588.20			11,038.99	7,877.07	13,542.93	129.21		*7,329.10*
X	83,076.47				129,205.13	174.00	*46,302.66*		
Transferred to retirement fund	10,950.66	10,950.66							
Total expenditures	134,293.59	10,950.66		10,578.10	137,932.63	20,778.33	*45,946.13*		250,841.88
Surplus fund	167,888.06								
	302,181.65								
3602. ENGINEERING, EXPERIMENTAL STATION, ANNAPOLIS, MD., 1923:									
Balance July 1, 1924	7,962.16								
Miscellaneous collections	21.04								
	7,983.20								
Expenditures by titles—									
R									7,670.58
S	21.04	21.04							17.28
V	21.04						21.04		
X	7,337.26				7,337.26				
Retirement fund deducted	*.53*	*.53*							
Transferred to retirement fund	3.75	3.75							
Total expenditures	7,382.56	24.26			7,337.26		21.04		7,687.86
Surplus fund	600.64								
	7,983.20								
3694. SALARIES, BUREAU OF ENGINEERING, 1923:									
Balance July 1, 1924	3,532.15								
Surplus fund	3,532.15								
3701. PAY OF THE NAVY, 1923:									
Balance July 1, 1924	8,795,943.10								
Miscellaneous collections	12,801.26								
	8,808,744.36								
Expenditures by titles—									
V	778,163.48				1,090.00		777,073.48		
Miscellaneous expenditures	74,780.99								
Total expenditures	852,944.47								
Surplus fund	7,557,750.61								
Unexpended balance	398,049.28								
	8,808,744.36								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
2702. PROVISIONS, NAVY, 1922-23:									
Balance July 1, 1924	$350,830.28								
Miscellaneous collections	12.87								
	350,843.15								
Expenditure by titles—									
C	24.28				$24.28				
V	*3,824.03*				704.39		*$4,528.42*		
X	95.83				95.83				
	3,703.92				824.50		*4,528.42*		
Miscellaneous expenditures	119,646.61								
Total expenditures	115,942.69								
Surplus fund	234,900.46								
	350,843.15								
3704. MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS, 1923:									
Balance July 1, 1924	157,735.88								
Miscellaneous collections	399.10								
	158,134.98								
Expenditures by titles—									
B	140.00					$140.00			
C	1,486.62				561.20	918.22	7.20		
G	102.20	$102.20							
S	24.60	27.40		*$2.80*					
V	1,408.47				420.10	1,003.32	*14.95*		
X	24.97				24.97				
Retirement fund deducted	*3.24*	*3.24*							
Transferred to retirement fund	100.07	100.07							
	3,283.69	226.43		*2.80*	1,006.27	2,061.54	*7.75*		
Miscellaneous expenditures	1,774.53								
Total expenditures	5,058.22								
Surplus fund	153,076.76								
	158,134.98								

3705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1923:									
Balance July 1, 1924	2,355,698.07								
Miscellaneous collections	1,802.18								
	2,357,500.25								
Expenditures by titles—									
S									$108.50
V	16,398.57				15,383.21		1,015.36		
X	108.50				108.50				
Transferred to retirement fund	.22	.22							
	16,507.29	.22			15,491.71		1,015.36		108.50
Miscellaneous expenditures	57.55								
Total expenditures	16,564.84								
Surplus fund	2,341,043.91								
Unexpended balance	*108.50*								
	2,357,500.25								
3708. FUEL AND TRANSPORTATION, BUREAU OF SUPPLIES AND ACCOUNTS, 1923:									
Balance July 1, 1924	4,213,588.26								
Expenditures by titles—									
C	13.20						13.20		
V	143.76				3,703.63		*3,559.87*		1.00
X	*4,677.97*				1,934.59	414.19		*$7,026.75*	
Transferred to retirement fund	14.01	14.01							
	4,507.00	14.01			5,638.22	414.19	*3,546.67*	*7,026.75*	1.00
Miscellaneous expenditures	1,772.81								
Total expenditures	*2,734.19*								
Surplus fund	4,216,322.45								
	4,213,588.26								
3794. SALARIES, BUREAU OF SUPPLIES AND ACCOUNTS, 1923:									
Balance July 1, 1924	2,783.70								
Surplus fund	2,783.70								
3611. MAINTENANCE OF FIRE CONTROL INSTALLATIONS, 1923 (NAVY ALLOTMENT):									
Balance July 1, 1924	13,934.00								
Miscellaneous expenditures	13,934.00								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3805. MEDICAL AND HOSPITAL SERVICES, NAVY DEPARTMENT, 1923 (NAVY ALLOTMENT FROM VETERANS' BUREAU):									
Balance July 1, 1924	$68,905.92								
Miscellaneous expenditures	68,905.92								
3875. AIR SERVICE, ARMY, 1923 (NAVY ALLOTMENT):									
Balance July 1, 1924	73,438.15								
Miscellaneous collections	3,800.00								
	77,238.15								
Expenditures by titles—									
Other Government departments	77,238.15				$67,342.52			$9,895.63	
3801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1923:									
Balance July 1, 1924	179,297.88								
Miscellaneous collections	11.50								
Miscellaneous adjustments	1.99								
	179,311.37								
Expenditures by titles—									
V	4.75				4.75				
X	11.10				11.10				
Total expenditures	15.85				15.85				
Surplus fund	179,295.52								
	179,311.37								
3802. CONTINGENT, BUREAU OF MEDICINE AND SURGERY, 1923:									
Balance July 1, 1924	46,051.92								
Miscellaneous adjustments	76.80								
	46,128.72								

Expenditures by titles—									
S									$1,919.22
V	26.00				26.00				*3.00*
X	30.00				30.00				
Z									10,758.96
Transferred to retirement fund	111.98	$111.98							
Total expenditures	167.98	111.98			56.00				12,675.18
Surplus fund	45,960.74								
	46,128.72								
3803. BRINGING HOME REMAINS OF OFFICERS, ETC., NAVY DEPARTMENT, 1923:									
Balance July 1, 1924	19,839.78								
Expenditures by titles—									
V									17.00
X	17.00				17.00				
	17.00				17.00				17.00
Miscellaneous expenditures	14.37								
Total expenditures	31.37								
Surplus fund	19,808.41								
	19,839.78								
3804. CARE OF HOSPITAL PATIENTS, BUREAU OF MEDICINE AND SURGERY, 1923:									
Balance July 1, 1924	3,504.79								
Miscellaneous collections	4.50								
	3,509.29								
Expenditures by titles—									
V	75.58				88.58		*$13.00*		
X	6.00				6.00				
Total expenditures	81.58				94.58		*13.00*		
Surplus fund	3,427.71								
	3,509.29								
3825. SALARIES, BUREAU OF MEDICINE AND SURGERY, 1923:									
Balance July 1, 1924	858.84								
Surplus fund	858.84								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3851. AVIATION, NAVY (AIRCRAFT AND ACCESSORIES UNDER CONSTRUCTION JUNE 30, 1922), 1923:									
Balance July 1, 1924	*$335,137.16*								
Expenditures by titles—									
V	1,898.38				*$101.62*	$2,000.00			
Surplus fund	*337,035.54*								
	335,137.16								
3852. AVIATION, NAVY (NEW CONSTRUCTION, AIRCRAFT AND EQUIPMENT), 1923:									
Balance July 1, 1924	1,866,456.29								
Miscellaneous collections	29.11								
	1,866,485.40								
Expenditures by titles—									
V	8,144.38				425.00		$7,719.38		$3,353.00
X	460,115.98				459,933.28	182.70			
Total expenditures	468,260.36				460,358.28	182.70	7,719.38		3,353.00
Amount reappropriated	265,000.00								
Surplus fund	1,133,225.04								
	1,866,485.40								
3853. AVIATION, NAVY (NAVIGATIONAL EQUIPMENT), 1923:									
Balance July 1, 1924	5,739.37								
Balance in hands of other Government departments	2,200.00								
Miscellaneous adjustments	290.00								
	8,229.37								

Expenditures by titles—									
V	9.00				9.00				125.00
X	1,952.50				1,952.50				
Total expenditures	1,961.50				1,961.50				125.00
Surplus fund	6,267.87								
	8,229.37								
3854. AVIATION, NAVY (MAINTENANCE AND REPAIRS), 1923:									
Balance July 1, 1924	*511,008.97*								
Miscellaneous collections	83.19								
Miscellaneous adjustments	92,351.69								
	418,574.09								
Expenditures by titles—									
R									32,103.30
G									203.63
S	1,232.42				1,232.42				
V	1,856.08				719.13		1,650.16	*$513.21*	1,953.45
X	40,301.76				40,301.76				
Transferred to retirement fund	17.25	$17.25							
Total expenditures	43,407.51	17.25			42,253.31		1,650.16	*513.21*	34,260.38
Surplus fund	*461,981.60*								
	418,574.09								
3855. AVIATION, NAVY (EXPERIMENTS AND DEVELOPMENTS), 1923:									
Balance July 1, 1924	*133,955.84*								
Miscellaneous collections	.98								
	133,954.86								
Expenditures by titles—									
V	2,449.47				2,449.47				*1,380.00*
X	85,509.35				85,509.35				
	87,958.82				87,958.82				*1,380.00*
Miscellaneous expenditures	2,250.00								
Total expenditures	90,208.82								
Surplus fund	*224,163.68*								
	133,954.86								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
3856. AVIATION, NAVY (CLERICAL FORCE), 1923:									
Balance July 1, 1924	$193,015.65								
Expenditures by titles—									
G	73.00	$73.00							
V	12.80	10.80					$2.00		
Retirement fund deducted	*1.84*	*1.84*							
Transferred to retirement fund	24.17	24.17							
Total expenditures	108.13	106.13					2.00		
Surplus fund	192,907.52								
	193,015.65								
3857. AVIATION, NAVY (BUILDINGS AND IMPROVEMENTS, ANACOSTIA, D. C.), 1923:									
Balance July 1, 1924	36.70								
Surplus fund	36.70								
3858. AVIATION, NAVY (BUILDINGS AND IMPROVEMENTS, PEARL HARBOR, HAWAII), 1923:									
Balance July 1, 1924	7,610.27								
Expenditures by titles—									
S	10,593.05				$10,593.05				
Surplus fund	*2,982.78*								
	7,610.27								
3859. AVIATION, NAVY (BUILDINGS AND IMPROVEMENTS, QUANTICO, VA.), 1923:									
Balance July 1, 1924	12,915.35								
Expenditures by titles—									
V	3.00				3.00				

Surplus fund	12,912.35									
	12,915.35									
3894. SALARIES, BUREAU OF AERONAUTICS, 1923:										
Balance July 1, 1924	2,901.28									
Surplus fund	2,901.28									
3901. PAY, MARINE CORPS, 1923:										
Balance July 1, 1924	636,473.15									
Miscellaneous collections	242.37									
Miscellaneous adjustments	545,154.62									
	1,181,870.14									
Expenditures by titles—										
V	48.00							48.00		
Marine Corps	18,569.18							18,569.18		
Total expenditures	18,617.18							18,617.18		
Surplus fund	1,177,653.91									
Unexpended balance	*14,400.95*									
	1,181,870.14									
3902. MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS, 1923:										
Balance July 1, 1924	853,977.99									
Balance in hands of other Government departments	44.64									
Miscellaneous collections	410.74									
	854,433.37									
Expenditures by titles—										
Marine Corps	12,566.68	164.33	$80.16	$146.07	11,499.30		676.82		*$19.65*	
Transferred to retirement fund	298.63	298.63								
Indeterminate divided		66.56		13.60						
	12,865.31	529.52		159.67	11,499.30		676.82		*19.65*	
Miscellaneous expenditures	4,959.31									
Total expenditures	17,824.62									
Surplus fund	836,490.70									
Unexpended balance	118.05									
	854,433.37									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
2101. PAY, MISCELLANEOUS, 1922:									
Balance July 1, 1924	*$2,651.95*								
Miscellaneous collections	349.88								
Miscellaneous adjustments	3,004.83								
	702.76								
Expenditures by titles—									
S	18.33				$18.33				
V	*86.83*				121.45		*$208.28*		
O	*18.33*				*18.33*				
X	11.00				11.00				
Total expenditures	*75.83*				132.45		*208.28*		
Surplus fund	778.59								
	702.76								
2102. CONTINGENT, NAVY, 1922:									
Balance July 1, 1924	101.60								
Miscellaneous expenditures	101.60								
2201. MAINTENANCE, BUREAU OF YARDS AND DOCKS, 1922:									
Balance July 1, 1924	*93.79*								
Expenditures by Titles—									
G									$0.30
V	*119.05*						*119.05*		
	119.05						*119.05*		.30
Miscellaneous expenditures	11.52								
Total expenditures	*107.53*								
Surplus fund	13.74								
	93.79								

2302. TRANSPORTATION, BUREAU OF NAVIGATION, 1922:									
Balance July 1, 1924	275.93								
Miscellaneous collections	88.80								
Miscellaneous adjustments	2.96								
	367.69								
Expenditures by titles—									
V	*138.95*				1.74		*140.69*		
Total expenditures	*138.95*				1.74		*140.69*		
Surplus fund	506.64								
	367.69								
2318. CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY, 1922:									
Balance July 1, 1924	18.00								
Miscellaneous expenditures	18.00								
2319. MAINTENANCE AND REPAIRS, NAVAL ACADEMY, 1922:									
Balance July 1, 1924	395.86								
Miscellaneous expenditures	9.41								
Surplus fund	386.45								
	395.86								
2322. ORGANIZING THE NAVAL RESERVE FORCE, 1922:									
Balance July 1, 1922	5,627.09								
Miscellaneous expenditures	5,558.18								
Total expenditures	5,558.18								
Surplus fund	68.91								
	5,627.09								
RECREATION FOR ENLISTED MEN, MEN, NAVY, 1922:									
Balance July 1, 1924	*489.64*								
Expenditures by titles—									
C	98.20				98.20				
	98.20				98.20				
Miscellaneous expenditures	*587.84*								
	489.64								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
2401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1922:									
Balance July 1, 1924	*$3,716.58*								
Miscellaneous collections	240.00								
Miscellaneous adjustments	3,726.73								
	250.15								
Surplus fund	250.15								
2501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1922:									
Balance July 1, 1924	*255.23*								
Miscellaneous collections	42.31								
Miscellaneous adjustments	262.81								
	49.89								
Expenditures by titles—									
B	*94.50*					*$94.50*			
K	*2,572.32*			*$2,572.32*					
S	1,076.61				$1,076.61				
X	*1,076.61*				*1,076.61*				
Total expenditures	*2,666.82*			*2,572.32*		*94.50*			
Surplus fund	2,716.71								
	49.89								
2601. ENGINEERING, BUREAU OF ENGINEERING, 1922:									
Balance July 1, 1924	93,290.05								
Miscellaneous collections	12,395.02								
Miscellaneous adjustments	1,512.23								
	107,197.30								
Expenditures by titles—									
S	17.35				17.35				
V	*1,166.40*						*$1,166.40*		

X	1,482.65				1,482.65					
Total	333.60									
Surplus fund	106,863.70				1,500.00		1,166.40			
	107,197.30									
2605. CARE AND CUSTODY OF NAVAL PETROLEUM RESERVES, UNDER OIL LEASING ACT, 1922:										
Miscellaneous adjustment	*15,500.00*									
Expenditures by titles—										
R										$119,625.44
V	*15,500.00*				*15,500.00*					
Total expenditures	*15,500.00*				*15,500.00*					119,625.44
2701. PAY OF THE NAVY, 1922:										
Balance July 1, 1924	175,371.82									
Miscellaneous collections	10,807.88									
	186,179.70									
Expenditures by titles—										
V	2,156.92						2,156.92			
	2,156.92						2,156.92			
Miscellaneous expenditures	131,202.69									
Total expenditures	133,359.61									
Surplus fund	52,820.09									
	186,179.70									
1702. PROVISIONS NAVY, 1921-22:										
Balance July 1, 1924	362,637.76									
Miscellaneous collections	5.97									
	362,643.73									
Miscellaneous expenditures	362,402.18									
Total expenditures	362,402.18									
Surplus fund	241.55									
	362,643.73									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
2704. MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS, 1924:									
Balance July 1, 1924	$7.77								
Miscellaneous adjustments	10.70								
	18.47								
Surplus fund	18.47								
2705 FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1924:									
Balance July 1, 1924	1,130.92								
Miscellaneous collections	182.03								
	1,312.95								
Expenditures by titles—									
V	39.25				$84.14		*$44.89*		
	39.25				84.14		*44.89*		
Miscellaneous expenditures	525.42								
Total expenditures	564.67								
Surplus fund	748.28								
	1,312.95								
2708. FUEL AND TRANSPORTATION, BUREAU OF SUPPLIES AND ACCOUNTS, 1922:									
Balance July 1, 1924	*150.00*								
Miscellaneous adjustments	150.00								
2801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1922:									
Balance July 1, 1924	4.63								
Miscellaneous collections	8.38								
Miscellaneous adjustments	5.27								
	18.28								

Surplus fund	18.28									
2802. CONTINGENT, BUREAU OF MEDICINE AND SURGERY, 1922:										
Balance July 1, 1924	8,620.17									
Miscellaneous expenditures	8,620.17									
1803. BRINGING HOME REMAINS OF OFFICERS' ETC., 1921–22:										
Miscellaneous adjustments	24.13									
Surplus fund	24.13									
2851. AVIATION, NAVY (AIRCRAFT AND ACCESSORIES UNDER CONSTRUCTION, 30 JUNE, 1921), 1922:										
Expenditures by titles—										
V	*36.66*				*36.66*					
Total expenditures	*36.66*				*36.66*					
Surplus fund	36.66									
2852. AVIATION, NAVY (NEW CONSTRUCTION), 1922:										
Balance July 1, 1924	*1,876.83*									
Miscellaneous collections	4.72									
Miscellaneous adjustments	4,427.21									
	2,555.10									
Expenditures by titles—										
V	*1,500.00*						*1,500.00*		$31,976.38	
X	157.00				157.00					
Total expenditures	*1,343.00*				157.00		*1,500.00*		31,976.38	
Surplus fund	3,898.10									
	2,555.10									
2853. AVIATION, NAVY (NAVIGATIONAL EQUIPMENT), 1922:										
Miscellaneous adjustments	64.60									
Surplus fund	64.60									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
2854. AVIATION, NAVY (MAINTENANCE AND REPAIRS), 1922:									
Balance July 1, 1924	$47.38								
Miscellaneous collections	57.84								
	105.22								
Miscellaneous expenditures	2,077.42								
Total expenditures	2,077.42								
Surplus fund	*1,972.20*								
	105.22								
2855. AVIATION, NAVY (EXPERIMENTS AND DEVELOPMENTS), 1922:									
Balance July 1, 1924	*34,594.37*								
Miscellaneous adjustments	13,558.83								
	21,035.54								
Expenditures by titles—									
V	128.30				$128.30				
X	*21,164.26*						*$21,164.26*		
Total expenditures	*21,035.96*				128.30		*21,164.26*		
Surplus fund	.42								
	21,035.54								
2863. AVIATION, NAVY, 1922:									
Balance transferred									$74,708.31
									74,708.31
2901. PAY, MARINE CORPS, 1922:									
Balance July 1, 1924	*43,135.02*								
Miscellaneous collections	315.78								
Miscellaneous adjustments	43,823.51								
	1,004.27								

Expenditures by titles—									
Marine Corps	193.18						193.18		
Total expenditures	193.18						193.18		
Surplus fund	811.09								
	1,004.27								
2902. MAINTENANCE, QUARTERMASTER DEPARTMENT, MARINE CORPS, 1922:									
Balance July 1, 1924	359,593.71								
Miscellaneous collections	18.00								
	359,611.71								
Miscellaneous expenditures	359,311.95								
Total expenditures	359,311.95								
Surplus fund	299.76								
	359,611.71								
1101. PAY, MISCELLANEOUS, 1921:									
Amount appropriated	37,603.52								
Miscellaneous collections	296.99								
	37,900.51								
Miscellaneous expenditures	35,206.61								
Total expenditures	35,206.61								
Surplus fund	2,693.90								
	37,900.51								
1106. AVIATION NAVY, 1921:									
Miscellaneous adjustments	3,607.29								
Expenditures by titles—									
V	*21.91*				*21.91*				*4,867.33*
	21.91				*21.91*				*4,867.33*
Surplus fund	3,629.20								
	3,607.29								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
1110. INCREASE COMPENSATION, CIVILIAN EMPLOYEES, NAVAL ESTABLISHMENT, 1921:									
Miscellaneous collections	$0.83								
Surplus fund	.83								
1141. INVESTIGATION OF FUEL OIL, ETC., NAVY, 1921:									
Balance July 1, 1924	1,730.35								
Miscellaneous adjustments	1,730.35								
1275. AVIATION, SEACOAST DEFENSES, INSULAR POSSESSIONS, 1921:									
Navy allotment									$16,259.60
									16,259.60
1302. TRANSPORTATION BUREAU OF NAVIGATION, 1921:									
Miscellaneous collections	413.09								
Miscellaneous adjustments	20.45								
	433.54								
Surplus fund	433.54								
1327. RECREATION FOR ENLISTED MEN, NAVY, 1921:									
Miscellaneous adjustments	24.42								
Surplus fund	24.42								
1401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1921:									
Miscellaneous adjustments	195.00								
Surplus fund	195.00								

1501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1921:										
Miscellaneous adjustments	3.43									
Surplus fund	3.43									
1601. ENGINEERING, BUREAU OF ENGINEERING, 1921:										
Miscellaneous collections	52.00									
Miscellaneous adjustments	10.69									
	62.69									
Surplus fund	62.69									
1701. PAY OF THE NAVY, 1921:										
Balance July 1, 1924	35.26									
Miscellaneous collections	16,366.09									
Miscellaneous adjustments	199,958.54									
	216,359.89									
Total expenditures	151.10							$151.10		
Surplus fund	216,208.79									
	216,359.89									
1702. PROVISIONS, NAVY, 1920-21:										
Miscellaneous collections	61.40									
Miscellaneous adjustments	924.26									
	985.66									
Surplus fund	985.66									
1704. MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS, 1921:										
Miscellaneous collections	58.21									
Surplus fund	58.21									
1705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1921:										
Balance July 1, 1924	7.47									
Miscellaneous collections	3.83									
Miscellaneous adjustments	1,117.75									
	1,114.11									
Surplus fund	1,114.11									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
1708. FUEL AND TRANSPORTATION, BUREAU OF SUPPLIES AND ACCOUNTS, 1921:									
Miscellaneous adjustments	$14.00								
Surplus fund	14.00								
1801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1921:									
Miscellaneous adjustments	598.38								
Surplus fund	598.38								
1901. PAY, MARINE CORPS, 1921:									
Miscellaneous collections	652.54								
Miscellaneous adjustments	155.67								
	808.21								
Surplus fund	808.21								
1902. MAINTENANCE, QUARTERMASTER DEPARTMENT, MARINE CORPS, 1921:									
Miscellaneous adjustments	574.43								
Surplus fund	574.43								
0101. PAY MISCELLANEOUS, 1920:									
Reappropriated	*10.00*								
Miscellaneous collections	34.97								
	24.97								
Miscellaneous expenditures	24.97								
0106. AVIATION NAVY, 1920:									
Reappropriated	*3,984.98*								
Miscellaneous collections	3,648.31								
Miscellaneous adjustments	336.67								

0302. TRANSPORTATION, BUREAU OF NAVIGATION, 1920:										
Miscellaneous expenditures	3.65									
Total expenditures	3.65									
Reappropriated	*3.65*									
0308. OUTFITS, FIRST ENLISTMENT, 1920:										
Miscellaneous adjustment	126.20									
Reappropriated	126.20									
0401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1920:										
Miscellaneous collections	514.59									
Miscellaneous adjustments	233.63									
	748.22									
Reappropriated	748.22									
0601. ENGINEERING, BUREAU OF ENGINEERING, 1920:										
Reappropriated	*481.56*									
Miscellaneous adjustments	481.56									
0701. PAY OF THE NAVY, 1920:										
Reappropriated	*206,448.43*									
Miscellaneous collections	7,012.28									
Miscellaneous adjustments	199,531.15									
	95.00									
Expenditures by titles—										
V	95.00							$95.00		
9702. PROVISIONS, NAVY, 1919-20:										
Reappropriated	*170.30*									
Miscellaneous collections	200.30									
	30.00									
Miscellaneous expenditures	30.00									
Total expenditures	30.00									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
0705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1920:									
Reappropriated	*$758.75*								
Miscellaneous adjustments	758.75								
0901. PAY, MARINE CORPS, 1920:									
Reappropriated	*178.05*								
Miscellaneous collections	171.75								
Miscellaneous adjustments	*6.30*								
0902. MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS, 1920:									
Miscellaneous collections	5.00								
	5.00								
Reappropriated	5.00								
9101. PAY, MISCELLANEOUS, 1919:									
Reappropriated	*1,159.58*								
Miscellaneous collections	358.14								
Miscellaneous adjustments	801.44								
9106. AVIATION, NAVY, 1919:									
Reappropriated	20.09								
Miscellaneous collections	82.93								
Miscellaneous adjustments	5,748.09								
	5,851.11								
Reappropriated	5,851.11								
9201. MAINTENANCE, YARDS AND DOCKS, 1919:									
Reappropriated	*1,011.23*								
Miscellaneous collections	1,011.23								

9205. AVIATION YARDS AND DOCKS, 1919:									
R									$1,666,112.36
9302. TRANSPORTATION, BUREAU OF NAVIGATION, 1919:									
Miscellaneous adjustments	823.17								
Expenditures by titles—									
V	50.00						$50.00		
Total expenditures	50.00						50.00		
Reappropriated	773.17								
	823.17								
9308. OUTFITS ON FIRST ENLISTMENT, 1919:									
Reappropriated	380.48								
Miscellaneous collections	60.00								
	440.48								
Miscellaneous expenditures	440.48								
Total expenditures	440.48								
9309. INSTRUMENTS AND SUPPLIES, BUREAU OF NAVIGATION, 1919:									
Reappropriated	1.00								
Reappropriated	1.00								
9401. ORDNANCE AND ORDNANCE STORES, BUREAU OF ORDNANCE, 1919:									
Miscellaneous adjustments	4,782.92								
Reappropriated	4,782.92								
9405. NAVAL GUN FACTORY, WASHINGTON, D. C., 1919:									
Miscellaneous adjustments	84.87								
Reappropriated	84.87								
9406. EXPERIMENTS, BUREAU OF ORDNANCE, 1919:									
Miscellaneous collections	969.64								
Reappropriated	969.64								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
9409. NEW BATTERIES FOR SHIPS OF THE NAVY, 1919:									
Reappropriated	$147.02								
Reappropriated	147.02								
7411. TORPEDOES AND APPLIANCES, 1917-1919:									
Miscellaneous adjustments	29.25								
Reappropriated	29.25								
9415. RESERVE ORDNANCE SUPPLIES, 1919:									
Reappropriated	85.40								
Miscellaneous collections	22,259.15								
Miscellaneous adjustments	28,803.65								
	51,148.20								
Reappropriated	51,148.20								
9432. AMMUNITION FOR VESSELS, 1919:									
Reappropriated	55.00								
Reappropriated	55.00								
9435. TORPEDOES AND APPLIANCES, 1919:									
Reappropriated	29.25								
Reappropriated	29.25								
9501. CONSTRUCTION AND REPAIR, BUREAU OF CONSTRUCTION AND REPAIR, 1919:									
Balance July 1, 1924	55.50								
Miscellaneous collections	11,978.39								
	12,033.89								
Miscellaneous expenditures	9,245.54								
Total expenditures	9,245.54								

Reappropriated	2,788.35									
	12,033.89									
9601. ENGINEERING, BUREAU OF ENGINEERING, 1919:										
Reappropriated	36.15									
Miscellaneous adjustments	5,081.90									
	5,118.05									
Reappropriated	5,118.05									
9701. PAY OF THE NAVY, 1919:										
Reappropriated	14,596.76									
Miscellaneous collections	6,742.55									
Miscellaneous adjustments	93,873.25									
	115,212.56									
Expenditures by titles—										
V	24.39							$24.39		
Total expenditures	24.39							24.39		
Reappropriated	115,188.17									
	115,212.56									
8702. PROVISIONS, NAVY, 1917-19:										
Reappropriated	*1,536.04*									
Miscellaneous collections	1,496.04									
Miscellaneous adjustments	40.00									
9705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1919:										
Reappropriated	41.30									
Miscellaneous expenditures	41.30									
9801. MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY, 1919:										
Miscellaneous adjustments	4,118.27									
Reappropriated	4,118.27									
9901. PAY, MARINE CORPS, 1919:										
Reappropriated	2,480.79									
Miscellaneous collections	75.97									
	2,556.76									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
9901. PAY, MARINE CORPS, 1919—Contd.									
Miscellaneous expenditures	$107.25								
Total expenditures	107.25								
Reappropriated	2,449.51								
	2,556.76								
9902. MAINTENANCE, QUATERMASTER DEPARTMENT, MARINE CORPS, 1919:									
Reappropriated	14.00								
Miscellaneous collections	321.75								
	335.75								
Reappropriated	335.75								
8101. PAY, MISCELLANEOUS, 1917–18:									
Miscellaneous collections	181.67								
Miscellaneous adjustments	12.08								
	193.75								
Reappropriated	193.75								
8106. AVIATION, NAVY, 1917–18:									
Miscellaneous collections	20.09								
Reappropriated	20.09								
8308. OUTFITS OF FIRST ENLISTMENT, 1917–18:									
Reappropriated	150.47								
Miscellaneous collections	52.78								
	203.25								
Miscellaneous expenditures	141.60								
Total expenditures	141.60								
Reappropriated	61.65								
	203.25								

8309. INSTRUMENTS AND SUPPLIES, BUREAU OF NAVIGATION, 1917–18:	
Miscellaneous collections	1.00
Reappropriated	1.00
8326. SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE, 1917–18:	
Miscellaneous collections	156.97
Reappropriated	156.97
7409. NEW BATTERIES FOR SHIPS OF THE NAVY, 1917–18:	
Miscellaneous adjustments	147.02
Reappropriated	147.02
7415. RESERVE ORDNANCE SUPPLIES, 1917–18:	
Miscellaneous collections	60.59
Miscellaneous adjustments	24.81
	85.40
Reappropriated	85.40
8432. AMMUNITION FOR VESSELS, 1917–18:	
Miscellaneous adjustments	55.00
Reappropriated	55.00
8601. ENGINNERING, BUREAU OF ENGINEERING, 1917–18:	
Miscellaneous collections	36.15
Reappropriated	36.15
8701. PAY OF THE NAVY, 1917–18:	
Reappropriated	107.64
Miscellaneous collections	3,830.92
Miscellaneous adjustments	10,658.20
	14,596.76
Reappropriated	14,596.76
7702. PROVISIONS NAVY, 1917–18:	
Miscellaneous adjustments	1,629.48
Reappropriated	1,629.48

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
7705. FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS, 1917–18:									
Miscellaneous collections	$30.80								
Reappropriated	30.80								
8901. PAY MARINE CORPS, 1917–18:									
Miscellaneous collections	2,480.79								
Reappropriated	2,480.79								
8902. MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS, 1917–18:									
Miscellaneous collections	4.00								
Miscellaneous adjustments	10.00								
	14.00								
Reappropriated	14.00								
7101. Pay MISCELLANEOUS, 1917:									
Miscellaneous collections	1.49								
Surplus fund	1.49								
7401. ORDNANCE AND ORDNANCE STORES, 1917:									
Miscellaneous adjustments	47.07								
Surplus fund	47.07								
7701. PAY OF THE NAVY, 1917:									
Reappropriated	2.02								
Miscellaneous adjustments	112.00								
	114.02								
Surplus fund	114.02								

6701. PAY OF THE NAVY, 1916:										
Reappropriated	5.09									
Miscellaneous expenditures	5.09									
PAY, MISCELLANEOUS, CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	921.29									
Expenditures by titles—										
V	921.29							$921.29		
CONTINGENT, NAVY, CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	3,021.72									
Expenditures by titles—										
V	7,185.51							7,185.51		
Reappropriated	*4,163.79*									
	3,021.72									
AVIATION NAVY CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	241.07									
Expenditures by titles—										
V	241.07							241.07		
MAINTENANCE, YARDS AND DOCKS CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	25.80									
Expenditures by titles—										
V	25.80							25.80		
TRANSPORTATION, NAVIGATION CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	35.21									
Expenditures by titles—										
V	13,002.46							13,002.46		
Reappropriated	*12,967.25*									
	35.21									
OUTFITS ON FIRST ENLISTMENT CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	9,873.60									
Expenditures by titles—										
V	9,873.60							9,873.60		

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
INSTRUMENTS AND SUPPLIES CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	$1,502.23								
Expenditures by titles—									
V	1,547.23						$1,547.23		
Reappropriated	*45.00*								
	1,502.23								
MAINTENANCE AND REPAIR, NAVAL ACADEMY CLAIMS (1920 AND PRIOR YEARS):									
Expenditures by titles—									
V	465.87						465.87		
Reappropriated	*465.87*								
ORGANIZING THE NAVAL RESERVE FORCE, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	9.36								
Expenditures by titles—									
V	9.36						9.36		
SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	760.20								
Expenditures by titles—									
V	760.20						760.20		
ORDNANCE AND ORDNANCE STORES, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	21,339.19								
Expenditures by titles—									
V	23,343.03						23,343.03		
Reappropriated	*2,003.84*								
	21,339.19								

EXPERIMENTS, ORDNANCE CLAIMS (1920 AND PRIOR YEARS):									
Expenditures by titles—									
V	2,587.50						2,587.50		
Reappropriated	*2,587.50*								
CONSTRUCTION AND REPAIR, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	95.53								
Expenditures by titles—									
V	32,349.87						32,349.87		
Reappropriated	*32,254.34*								
	95.53								
ENGINEERING, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	1,387.63								
Expenditures by titles—									
V	1,387.63						1,387.63		
PAY OF THE NAVY, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	31,448.74								
Expenditures by titles—									
V	50,572.15						50,572.15		
Reappropriated	*19,123.41*								
	31,448.74								
PROVISIONS, NAVY CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	4,158.28								
Expenditures by titles—									
V	4,158.28						4,158.28		
MAINTENANCE, SUPPLIES AND ACCOUNTS, CLAIMS (1920 AND PRIOR YEARS):									
Expenditures by titles—									
V	398.70						398.70		
Reappropriated	*398.70*								

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
FREIGHT, SUPPLIES AND ACCOUNTS, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	$19,693.55								
Expenditures by titles—									
V	19,693.55						$19,693.55		
FUEL AND TRANSPORTATION, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	1,671.76								
Expenditures by titles—									
V	1,671.76						1,671.76		
CARE OF HOSPITAL PATIENTS, CLAIMS (1920 AND PRIOR YEARS):									
Expenditures by titles—									
V	808.12						808.12		
Reappropriated	*808.12*								
PAY MARINE CORPS, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	5,097.94								
Expenditures by titles—									
V	18,332.36						18,332.36		
Reappropriated	*13,234.42*								
	5,097.94								
MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS, CLAIMS (1920 AND PRIOR YEARS):									
Reappropriated	45.36								
Expenditures by titles—									
V	2,034.68						2,034.68		
Reappropriated	*1,989.32*								
	45.36								

CONTINGENT, MARINE CORPS, CLAIMS (1920 AND PRIOR YEARS):										
Reappropriated	843.15									
Expenditures by titles—										
V	843.15							843.15		
PAY, MISCELLANEOUS (CERTIFIED CLAIMS):										
Amount appropriated	2,649.87									
Expenditures by titles—										
V	2,060.11							2,060.11		
Miscellaneous expenditures	589.76									
Total expenditures	2,649.87									
AVIATION, NAVY (CERTIFIED CLAIMS):										
Amount appropriated	301,958.54									
Expenditures by titles—										
V	190,837.73							190,837.73		
Miscellaneous expenditures	111,120.81									
	301,958.54									
INVESTIGATION OF FUEL OIL (CERTIFIED CLAIMS):										
Amount appropriated	1,730.35									
Miscellaneous expenditures	1,730.35									
MAINTENANCE, YARDS AND DOCKS (CERTIFIED CLAIMS):										
Amount appropriated	846.94									
Expenditures by titles—										
V	254.17							254.17		
Miscellaneous expenditures	592.77									
	846.94									
CONTINGENT, BUREAU OF NAVIGATION (CERTIFIED CLAIMS):										
Amount appropriated	1.31									
Expenditures by titles—										
V	1.31							1.31		

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
TRANSPORTATION, BUREAU OF NAVIGATION (CERTIFIED CLAIMS):									
Balance July 1, 1924	$1,643.63								
Amount appropriated	6,331.78								
	7,975.41								
Expenditures by titles—									
V	6,294.31						$6,294.31		
Miscellaneous expenditures	37.47								
Total expenditures	6,331.78								
Unexpended balance	1,643.63								
	7,975.41								
GUNNERY AND ENGINEERING EXERCISES (CERTIFIED CLAIMS):									
Amount appropriated	5.00								
Expenditures by titles—									
V	5.00						5.00		
OUTFITS ON FIRST ENLISTMENT (CERTIFIED CLAIMS):									
Balance July 1, 1924	6.32								
Surplus fund	6.32								
INSTRUMENTS AND SUPPLIES (CERTIFIED CLAIMS):									
Account appropriated	1,155.81								
Expenditures by title—									
V	1,155.81						1,155.81		
RECREATION FOR ENLISTED MEN, NAVY (CERTIFIED CLAIMS):									
Amount appropriated	98.20								
Miscellaneous expenditures	98.20								

ORGANIZING THE NAVAL RESERVE FORCE (CERTIFIED CLAIMS):										
Amount appropriated	5,445.13									
Expenditures by title—										
V	445.13						445.13			
Miscellaneous expenditures	5,000.00									
Total expenditures	5,445.13									
ORDNANCE AND ORDNANCE STORES (CERTIFIED CLAIMS):										
Amount appropriated	43,803.41									
Miscellaneous expenditures	43,803.41									
CONSTRUCTION AND REPAIR (CERTIFIED CLAIMS):										
Amount appropriated	30.71									
Expenditures by titles—										
V	30.71						30.71			
ENGINEERING (CERTIFIED CLAIMS):										
Amount appropriated	19,316.43									
Expenditures by titles—										
V	17,816.43						17,816.43			
Miscellaneous expenditures	1,500.00									
	19,316.43									
PAY OF THE NAVY (CERTIFIED CLAIMS):										
Balance July 1, 1924	1,165.21									
Amount appropriated	19,257.81									
	20,423.02									
Expenditures by titles—										
V	18,967.63						18,967.63			
Miscellaneous expenditures	244.66									
Total expenditures	19,212.29									
Unexpended balance	1,210.73									
	20,423.02									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
PROVISIONS, NAVY (CERTIFIED CLAIMS):									
Balance July 1, 1924	$34.98								
Amount appropriated	1,867.40								
	1,902.38								
Expenditures by titles—									
V	1,867.40						$1,867.40		
Surplus fund	34.98								
	1,902.38								
MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS (CERTIFIED CLAIMS):									
Amount appropriated	97.80								
Expenditures by titles—									
V	97.80						97.80		
FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS (CERTIFIED CLAIMS):									
Balance July 1, 1924	693.53								
Amount appropriated	12,023.99								
	12,717.52								
Expenditures by titles—									
V	11,939.85						11,939.85		
Miscellaneous expenditures	91.61								
Total expenditures	12,031.46								
Surplus fund	686.06								
	12,717.52								
FUEL AND TRANSPORTATION (CERTIFIED CLAIMS):									
Balance July 1, 1924	48.00								
Amount appropriated	479.69								
	527.69								

Expenditures by titles—										
V	479.69							479.69		
Surplus fund	48.00									
	527.69									
MEDICAL DEPARTMENT (CERTIFIED CLAIMS):										
Amount appropriated	3,169.95									
Expenditures by titles—										
V	3,169.95							3,169.95		
CONTINGENT, MEDICINE AND SURGERY (CERTIFIED CLAIMS):										
Amount appropriated	40.00									
Expenditures by titles—										
V	40.00							40.00		
PAY, MARINE CORPS (CERTIFIED CLAIMS):										
Amount appropriated	3,650.12									
Expenditures by titles—										
V	1,017.31							1,017.31		
Miscellaneous expenditures	2,632.81									
Total expenditures	3,650.12									
MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS (CERTIFIED CLAIMS):										
Amount appropriated	1,639.29									
Expenditures by titles—										
V	1,639.29							1,639.29		
CONTINGENT, MARINE CORPS (CERTIFIED CLAIMS):										
Balance July 1, 1924	24.43									
Miscellaneous expenditures	24.43									
BOUNTY FOR DESTRUCTION OF ENEMY VESSELS (CERTIFIED CLAIMS):										
Balance July 1, 1924	.56									
Unexpended balance	.56									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
INDEMNITY FOR LOST PROPERTY, NAVAL SERVICE (CERTIFIED CLAIMS):									
Miscellaneous adjustments	$249.00								
Unexpended balance	249.00								
BOUNTY FOR DESTRUCTION OF ENEMY VESSELS:									
Balance July 1, 1924	52,280.08								
Unexpended balance	52,280.08								
CLAIMS FOR DAMAGE BY COLLISIONS WITH NAVAL VESSELS:									
Balance July 1, 1924	405.21								
Amount appropriated	64,482.20								
	64,887.41								
Expenditures by titles—									
V	64,482.20						$64,482.20		
Unexpended balance	405.21								
	64,887.41								
CLAIMS FOR DAMAGES, NAVY DEPARTMENT:									
Balance July 1, 1924	712.92								
Amount appropriated	42,415.69								
	43,128.61								
Expenditures by titles—									
V	38,202.57						38,202.57		
Unexpended balance	4,926.04								
	43,128.61								

CLAIMS REPORTED BY COURT OF CLAIMS, UNDER BOWMAN AND TUCKER ACT:										
Balance July 1, 1924	649.22									
Unexpended balance	649.22									
INDEMNITY FOR LOST PROPERTY, NAVAL SERVICE:										
Balance July 1, 1924	249.00									
Miscellaneous expenditures	249.00									
JUDGMENTS, BOUNTY FOR DESTRUCTION OF ENEMY VESSELS:										
Balance July 1, 1924	59,368.67									
Expenditures by titles—										
V	66.87						66.87			
Unexpended balance	59,301.80									
	59,368.67									
JUDGMENTS, COURT OF CLAIMS, NAVY:										
Balance July 1, 1924	124,707.99									
Amount appropriated	976,689.34									
	1,101,397.33									
Expenditures by titles—										
V	295,608.55						295,608.55			
Unexpended balance	805,788.78									
	1,101,397.33									
JUDGMENTS, UNITED STATES COURTS, NAVY:										
Balance July 1, 1924	181,305.87									
Amount appropriated	252,705.27									
Miscellaneous collections	242,080.29									
	676,091.43									
Expenditures by titles—										
V	649,678.71						649,678.71			
Unexpended balance	26,412.72									
	676,091.43									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
NAVY PENSION FUND, INTEREST:									
Balance July 1, 1924	$12,732.28								
Miscellaneous collections	452,021.69								
	464,753.97								
Miscellaneous expenditures	456,737.61								
Unexpended balance	8,016.36								
	464,753.97								
NAVY PENSION FUND, PRINCIPAL:									
Balance July 1, 1924	14,807,895.49								
Amount appropriated	6,746.72								
Miscellaneous collections	1,321.76								
	14,815,963.97								
Miscellaneous expenditures	2,836.78								
Unexpended balance	14,813,127.19								
	14,815,963.97								
PAYMENT OF CERTAIN CLAIMS ARISING UNDER THE NAVY DEPARTMENT:									
Balance July 1, 1924	2,372.59								
Unexpended balance	2,372.59								
PAYMENT FOR CERTAIN SERVICES ARISING UNDER THE NAVY DEPARTMENT:									
Balance July 1, 1924	21.15								
Unexpended balance	21.15								
PAYMENT OF JAPANESE AWARD:									
Balance July 1, 1924	28,492.18								
Unexpended balance	28,492.18								

PRIZE MONEY, BATTLE OF MANILA BAY:										
Balance July 1, 1924	32,413.34									
Unexpended balance	32,413.34									
PRIZE MONEY TO CAPTORS:										
Balance July 1, 1924	429,301.55									
Expenditures by titles—										
V	21.49							$21.49		
Unexpended balance	429,280.06									
	429,301.55									
PRIZE MONEY TO CAPTORS, SPANISH WAR:										
Balance July 1, 1924	26,723.89									
Expenditures by titles—										
V	14.83							14.83		
Unexpended balance	26,709.06									
	26,723.89									
REFUNDS OF STOLEN DEPOSITS:										
Balance July 1, 1924	648.62									
Surplus fund	648.62									
REIMBURSEMENT TO ENLISTED MEN, NAVY, FOR CLOTHING AND BEDDING DESTROYED:										
Balance July 1, 1924	147.51									
Unexpended balance	147.51									
RELIEF OF OWNERS, AMERICAN SCHOONER "WALTER B. CHESTER":										
Balance July 1, 1924	269.64									
Unexpended balance	269.64									
JUDGMENT OWNERS, BARKENTINE "MABEL I. MEYERS":										
Balance July 1, 1924	1,058.88									
Unexpended balance	1,058.88									
RELIEF OF PERRY E. BORCHERS:										
Balance July 1, 1924	346.45									
Unexpended balance	346.45									

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
REIMBURSEMENT TO CERTAIN PERSONS FOR LOSS OF PRIVATE FUNDS:									
Balance July 1, 1924	$105.00								
Unexpended balance	105.00								
REIMBURSEMENT TO GUS POTTER:									
Balance July 1, 1924	113.00								
Unexpended balance	113.00								
REIMBURSEMENT TO NETHERLANDS GOVERNMENT:									
Balance July 1, 1924	36.59								
Surplus Fund	36.59								
RELIEF OF WILLIAM H. LEE:									
Balance July 1, 1924	828.29								
Expenditures by titles—									
V	828.29						$828.29		
RELIEF OF WILLIAM D. MULLEN CO.:									
Balance July 1, 1924	85.75								
Expenditures by titles—									
V	85.75						85.75		
RELIEF OF GEORGE T. TOBIN & SON:									
Balance July 1, 1924	248.98								
Expenditures by titles—									
V	248.98						248.98		
REFUND TO PANAMA RAILROAD CO.:									
Amount appropriated	4,890.67								
Expenditures by titles—									
V	4,890.67						4,890.67		

PAYMENT TO GOVERNMENT OF CANADA:										
Amount appropriated	4,470.76									
Expenditures by titles—										
V	4,470.76						4,470.76			
RELIEF OF ESTATE OF CAPT. D. H. TRIBOU:										
Amount appropriated	2,667.00									
Expenditures by titles—										
V	2,667.00						2,667.00			
RELIEF OF GRACE BUXTON:										
Amount appropriated	1,500.00									
Expenditures by titles—										
V	1,500.00						1,500.00			
RELIEF OF J. B. PLATT:										
Amount appropriated	170.37									
Expenditures by titles—										
V	170.37						170.37			
RELIEF OF SAN DIEGO CONSOLIDATED GAS AND ELECTRIC CO.:										
Amount appropriated	2,632.57									
Expenditures by titles—										
V	2,632.57									
RELIEF OF ESTATE OF FILER MCCLOUD:										
Amount appropriated	2,000.00									
Expenditures by titles—										
V	2,000.00						2,000.00			
RELIEF OF FLORA M. HERRICK:										
Amount appropriated	432.00									
Expenditures by titles—										
V	432.00						432.00			
RELIEF OF DE KIMPKE CONSTRUCTION CO:										
Amount appropriated	5,655.69									
Expenditures by titles—										
V	5,655.69						5,655.69			

Statement 25.—APPROPRIATION ACCOUNTS, BY TITLES—Continued

	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Public vouchers	N. S. A. material issued on invoice	Auditor's settlements, pay and allowances	Miscellaneous adjustments	A. P. A. material and statistical overhead
RELIEF OF ALICE E. O'NEIL:									
Amount appropriated	$2,500.00								
Expenditures by titles—									
V	2,500.00						$2,500.00		
RELIEF OF ESTATE OF ROBT. M. BRYSON:									
Amount appropriated	12,299.41								
Expenditures by titles—									
V	12,299.41						12,299.41		
RELIEF OF REAR ADMIRAL JOS. L. JAYNE:									
Amount appropriated	3,598.80								
Expenditures by titles—									
V	3,598.80						3,598.80		

RECAPITULATION

	Navy	Other Government departments	Total
Balance July 1, 1924, on the books of Supplies and Accounts	$173,005,314.02	*$3,426,132.66*	$169,579,181.36
Balance July 1, 1924, in the hands of other Government departments	767,159.75		767,159.75
Amount appropriated	308,809,803.36		308,809,803.36
Amount reappropriated	37,074,968.16		37,074,968.16
Credits to the naval supply account fund for stores issued	91,621,877.73		91,621,877.73
Miscellaneous collections	18,292,125.31	5,109,238.97	23,401,364.28
Miscellaneous adjustments	4,663,923.01	4,329,599.42	8,993,522.43
	634,235,171.34	6,012,705.73	640,247,877.07
Total expended by title	431,333,442.38	553,785.47	431,887,227.85
Miscellaneous expenditures	7,184,996.36	3,719,121.50	10,904,117.86
Total expended	438,518,438.74	4,272,906.97	442,791,345.71

1917–18 balances reappropriated	19,538.11		19,538.11
1919 and 1920 balances reappropriated	104,674.49		104,674.49
Other reappropriations	36,950,755.56		36,950,755.56
Balance of Naval Home, Philadelphia, Pa., 1923, returned to Navy pension fund, interest	8,016.36		8,016.36
Amount carried into the surplus fund of the Treasury	22,986,650.48	1,452.83	22,988,103.31
Balance June 30, 1925, in the hands of other Government departments	2,761,743.34		2,761,743.34
Balance June 30, 1925, on the books of Supplies and Accounts	132,885,354.26	1,738,345.93	134,623,700.19
	634,235,171.34	6,012,705.73	640,247,877.07

RECONCILIATION WITH STATEMENT 1 (COST OF THE NAVY) AND STATEMENT 26 (APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT), 1925

Net total expenditures by titles (statement 25)		$431,887,227.85
Deduct:		
Expenditures under appropriations of other Government departments (statement 25)		553,785.47
		431,333,442.38
Credits to naval supply account fund on account of issues of stores		91,621,877.73
		339,711,564.65
Miscellaneous collections	$18,292,125.31	
Miscellaneous adjustments	4,663,923.01	
	22,956,048.32	
Less miscellaneous expenditures	7,184,996.36	
		15,771,051.96
Cost of the Navy as per statement 1		323,940,512.69
Funds in hands of other Government departments June 30, 1925	2,761,743.34	
Less funds in the hands of other Government departments July 1, 1924	767,159.75	
		1,994,583.59
Total expenditures as per statement 26		325,935,096.28

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT

[Amounts warranted and paid fiscal years 1922–1925]

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
PAY, MISCELLANEOUS:					
1917			$1.49	*$1.49*	
1917–18	Mar. 3, 1893	$348.10			
	Mar. 1, 1921	555.67	[1] 223.47	680.30	
1919	Mar. 3, 1893	201,225.42			
	July 1, 1918	223.47			
	Mar. 1, 1921	764.97		202,213.86	
1920	Mar. 3, 1893	493,091.10			
	Mar. 1, 1921	1,009.80		494,100.90	
1921	Mar. 3, 1893	212,819.45			
	Dec. 5, 1924	37,603.52	2,693.90	247,729.07	
1922	Mar. 3, 1893	61,390.24			
	July 12, 1921	3,500,000.00	511,456.67	3,049,933.57	
1923	Mar. 3, 1893	20,336.81			
	July 1, 1922	3,200,000.00	646,801.94	2,573,550.87	*$16.00*
1924	Mar. 3, 1893	90,960.40			
	Jan. 22, 1923	2,730,000.00		2,652,450.81	168,509.59
1925	Mar. 3, 1893	552.45			
	May 28, 1924	2,550,000.00		2,144,233.27	406,319.18
		13,100,881.40	1,161,177.47	11,364,891.16	574,812.77
CONTINGENT, NAVY:					
1917–18	Mar. 1, 1921	3,021.72		3,021.72	
1919			[5] *4,163.79*	4,163.79	
1922	July 12, 1921	50,000.00	19,713.05	30,286.95	
1923	July 1, 1922	45,000.00	16,229.64	28,770.36	
1924	Jan. 22, 1923	40,000.00		24,683.13	15,316.87
1925	May 28, 1924	40,000.00		25,833.47	14,166.53
		178,021.72	31,778.90	116,759.42	29,483.40
CARE OF LEPERS, ETC., ISLAND OF GUAM:					
1921	Mar. 20, 1922	557.36		557.36	
1922	July 12, 1921	20,000.00	1,851.52	18,148.48	
1923	July 1, 1922	18,000.00	425.66	17,574.34	
1924	Jan. 22, 1923	18,000.00		17,895.61	104.39
1925	May 28, 1924	30,000.00		28,522.99	1,477.01
		86,557.36	2,277.18	82,698.78	1,581.40
EXPENSES, CIVILIAN NAVAL CONSULTING BOARD:					
1922	July 12, 1921	5,000.00	3,587.05	1,412.95	
INVESTIGATION OF FUEL OIL, ETC., NAVY:					
1921			93.07	*93.07*	
EXPERIMENTAL AND RESEARCH LABORATORY:					
1924	Jan. 22, 1923	100,000.00		96,855.90	3,144.10
1925	May 28, 1924	125,000.00		105,028.20	19,971.80
		225,000.00		201,884.10	23,115.90
INCREASED COMPENSATION, NAVY DEPARTMENT:					
1923	June 29, 1922	458,640.00	19,334.89	439,305.11	
1924	Mar. 4, 1923	434,892.00		421,832.64	13,059.36
		893,532.00	19,334.89	861,137.75	13,059.36
INCREASED COMPENSATION; CIVILIAN EMPLOYEES, NAVAL ESTABLISHMENT:					
1918	Mar. 4, 1917	7.19			
	Mar. 1, 1921	3.53		10.72	
1919	July 3, 1918	92,531.61		92,531.61	
1920	Mar. 1, 1919	782,483.55	11.46	782,472.09	
1921	May 29, 1920	1,185,891.65	10.60	1,185,881.05	
1922	Mar. 3, 1921	184,432.42	2,393.90	182,038.52	
1923	June 29, 1922	78,480.00	22,818.79	55,661.21	
1924	Mar. 4, 1923	75,780.00		72,301.97	3,478.03
		2,399,609.95	25,234.75	2,370,897.17	3,478.03

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NATIONAL SECURITY AND DEFENSE:					
1919			*$4,533.96*	$4,533.96	
(1922)			*77,603.85*	77,603.85	
(1923)			*88,137.59*	88,137.59	
			165,741.44	165,741.44	
TEMPORARY GOVERNMENT FOR WEST INDIAN ISLANDS:					
1923	July 1, 1922	$343,440.00		343,440.00	
1924	Jan. 22, 1923	324,000.00		324,000.00	
1925	May 28, 1924	270,150.00		270,150.00	
		937,590.00		937,590.00	
NAVY FINES AND FORFEITURES:					
(1922)	Balance July 1, 1921.	527,306.01			
	Mar. 3, 1909	6,912,595.86	[2] 3,450,000.00	137,746.45	
(1923)	----do----	2,925,278.82	[2] 2,000,000.00	2,420,732.38	
(1924)	----do----	818,474.43		453,113.33	
(1925)	----do----	1,419,046.77	[2] 1,500,000.00	669,694.15	$1,971,415.58
		12,602,701.89	6,950,000.00	3,681,286.31	1,971,415.58
STATE MARINE SCHOOLS, ACT MAR. 4, 1911:					
(1922)	Balance July 1, 1921.	23,310.64			
	July 12, 1921	106,250.00		79,560.64	
(1923)	July 1, 1922	75,000.00		75,000.00	
(1924)			50,000.00		
1924	Jan. 22, 1923	75,000.00		75,000.00	
1925	May 28, 1924	75,000.00		75,000.00	
		354,560.64	50,000.00	304,560.64	
TEMPORARY CONCRETE OFFICE BUILDINGS, NAVY AND WAR DEPARTMENTS: See note 18.					
ALTERATIONS, ETC., NEW NAVY BUILDING:					
1921–22	Balance July 1, 1921.	22,010.42	1,916.00	20,094.42	
CHANGES IN TURRET GUNS OF CERTAIN BATTLESHIPS:					
1923–Dec. 31, 1924	Mar. 4, 1923	6,500,000.00	6,500,000.00		
SCRAPPING OF NAVY VESSELS:					
1923	July 1, 1922	5,000,000.00	[3] 1,320,899.33	3,679,100.67	
1923–24	Mar. 4, 1923	22,270,899.33	[12] 557,042.92	21,713,856.41	
1924–25	Dec. 5, 1924	3,057,042.92		1,270,666.08	1,786,376.84
		30,327,942.25	1,877,942.25	26,663,623.16	1,786,376.84
SALARIES, OFFICE OF SECRETARY OF THE NAVY:					
1923	July 1, 1922	72,080.00	1,750.51	70,329.49	
1924	Jan. 22, 1923	125,000.00		124,200.17	799.83
1925	May 28, 1924	148,080.00		146,971.50	1,108.50
1925–26	Feb. 11, 1925	1,000.00		975.00	25.00
		346,160.00	1,750.51	342,476.16	1,933.33
SALARIES, OFFICE OF JUDGE ADVOCATE GENERAL:					
1923	July 1, 1922	29,810.00	178.85	29,631.15	
1924	Jan. 22, 1923	78,720.00		78,598.44	121.56
1925	May 28, 1924	99,220.00		98,500.50	719.50
		207,750.00	178.85	206,730.09	841.06

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SALARIES, OFFICE OF THE SOLICITOR, NAVY DEPARTMENT:					
1923	July 1, 1922	$22,990.00	$542.23	$22,447.77	
SALARIES, OFFICE OF NAVAL RECORDS AND LIBRARY:					
1923	do	20,000.00	379.66	19,620.34	
1924	Jan. 22, 1923	20,000.00		19,919.22	$80.78
1925	May 28, 1924	24,840.00		24,821.00	19.00
		64,840.00	379.66	64,360.56	99.78
SALARIES, OFFICE OF CHIEF OF NAVAL OPERATIONS:					
1923	July 1, 1922	27,450.00	66.63	27,383.37	
1924	Jan. 22, 1923	55,000.00		54,630.79	369.21
1925	May 28, 1924	66,840.00		66,771.00	69.00
		149,290.00	66.63	148,785.16	438.21
SALARIES, OFFICE OF DIRECTOR OF NAVAL COMMUNICATIONS:					
1923	July 1, 1922	134,300.00	5,963.19	128,336.81	
1924	Jan. 22, 1923	125,000.00		124,585.61	414.39
1925	May 28, 1924	133,240.00		129,771.00	3,469.00
		392,540.00	5,963.19	382,693.42	3,883.39
SALARIES, OFFICE OF NAVAL INTELLIGENCE:					
1923	July 1, 1922	16,700.00	76.43	16,623.57	
1924	Jan. 22, 1923	30,000.00		29,809.32	190.68
1925	May 28, 1924	42,820.00		41,070.50	1,749.50
		89,520.00	76.43	87,503.39	1,940.18
ADDITIONAL EMPLOYEES, NAVY DEPARTMENT:					
1923	July 1, 1922	2,006,300.00	29,119.08	1,977,180.92	
LIBRARY, NAVY DEPARTMENT:					
1923	do	2,000.00	56.50	1,943.50	
1924	Jan. 22, 1923	2,000.00		1,901.39	98.61
1925	May 28, 1924	2,000.00		1,900.00	100.00
		6,000.00	56.50	5,744.89	198.61
CONTINGENT EXPENSES, NAVY DEPARTMENT:					
1923	July 1, 1922	85,000.00	2,378.68	82,621.32	
1924	Jan. 22, 1923	75,000.00		74,090.29	909.71
1925	May 28, 1924	78,000.00		67,883.44	10,116.56
		238,000.00	2,378.68	224,595.05	11,026.27
PRINTING AND BINDING, NAVY DEPARTMENT:					
1922-23	July 1, 1922	40,898.46		40,898.46	
1923	do	212,250.00	171.00	212,079.00	
1924	Jan. 22, 1923	550,000.00		514,329.08	35,670.92
1925	May 28, 1924	475,000.00			
	Mar. 4, 1925	25,000.00		367,440.53	132,559.47
		1,303,148.46	171.00	1,134,747.07	168,230.39
PRINTING AND BINDING NAVAL RECORDS OF THE REBELLION:					
1923	July 1, 1922	4,500.00		4,500.00	
NAVAL RECORDS OF WAR WITH CENTRAL POWERS OF EUROPE:					
1923	do	19,000.00	137.95	18,862.05	
1924	Jan. 22, 1923	19,000.00		18,970.63	29.37
1925	May 28, 1924	20,800.00		20,790.41	9.59
		58,800.00	137.95	58,623.09	38.96

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
COMPILING LAWS AND DECISIONS RELATING TO NAVY AND MARINE CORPS, BY GEORGE MELLING:					
(1923)	July 1, 1922	$3,000.00	----------	$3,000.00	----------
SALARIES, GENERAL BOARD, NAVY DEPARTMENT:					
1925	May 28, 1924	9,720.00	----------	9,718.00	$2.00
SALARIES, NAVAL EXAMINING AND RETIRING BOARDS:					
1925	do	9,720.00	----------	9,720.00	----------
SALARIES, COMPENSATION BOARD, NAVY DEPARTMENT:					
1925	do	32,940.00	----------	29,223.50	3,716.50
SALARIES, BOARD OF INSPECTION AND SURVEY, NAVY DEPARTMENT:					
1925	do	22,260.00	----------	22,256.50	3.50
MONUMENT, CHARLES FORT, PARRIS ISLAND, S. C.:					
1924–25	Dec. 5, 1924	10,000.00	----------	460.69	9,539.31
IMPROVING AND EQUIPPING NAVY YARDS FOR CONSTRUCTION OF SHIPS:					
(1922)	Balance July 1, 1921.	1,247,873.86	----------	1,966,316.87	----------
(1923)	----------	----------	----------	*635,975.59*	----------
(1924)	----------	----------	----------	*88,077.27*	----------
(1925)	----------	----------	$5,574.16	35.69	----------
		1,247,873.86	5,574.16	1,242,299.70	----------
NAVAL EMERGENCY FUND:					
(1922)	Balance July 1, 1921.	24,883,263.47	----------	27,185,550.47	----------
(1923)	----------	----------	----------	*2,681,916.05*	----------
(1924)	----------	----------	----------	*42,640.22*	----------
(1925)	----------	----------	----------	132,045.65	290,223.62
		24,883,263.47	----------	24,593,039.85	290,223.62
INCREASE OF THE NAVY, CONSTRUCTION AND MACHINERY:					
(1922)	Balance July 1, 1921.	18,532,241.13	----------	----------	----------
	July 12, 1921	53,000,000.00	----------	65,592,689.65	----------
(1923)	----------	----------	[4] 11,644,337.90	*5,704,786.42*	----------
		71,532,241.13	11,644,337.90	59,887,903.23	----------
INCREASE OF THE NAVY, TORPEDO BOATS:					
(1922)	Balance July 1, 1921.	6,898,817.77	----------	----------	----------
	July 12, 1921	4,000,000.00	----------	10,730,376.78	----------
(1923)	----------	----------	[4] 328,713.33	*160,272.34*	----------
		10,898,817.77	328,713.33	10,570,104.44	----------
INCREASE OF THE NAVY, TORPEDO BOAT DESTROYERS:					
(1922)	Balance July 1, 1921.	26,656,606.05	----------	13,490,583.97	----------
(1923)	----------	----------	[4] 14,788,933.21	*1,622,911.13*	----------
		26,656,606.05	14,788,933.21	11,867,672.84	----------

See footnotes at end of statement

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
INCREASE OF THE NAVY, AMMUNITION:					
(1922)	Balance July 1, 1921.	$12,607,870.95		$6,637,586.13	
(1923)			[4] $6,156,687.46	*186,402.64*	
		12,607,870.95	6,156,687.46	6,451,183.49	
INCREASE OF THE NAVY, ARMOR AND ARMAMENT:					
(1922)	Balance July 1, 1921.	19,935,343.43			
	July 12, 1921	33,000,000.00		32,411,755.44	
(1923)			[4] 20,631,450.89	*107,862.90*	
		52,935,343.43	20,631,450.89	32,303,892.54	
INCREASE OF THE NAVY:					
(1923)	July 1, 1922	61,050,122.79		54,464,155.05	
(1924)	Jan. 22, 1923	54,097,000.00		41,869,893.44	
(1925)	May 28, 1924	30,950,000.00			
	Mar. 4, 1925	17,000,000.00		35,712,641.23	$31,050,433.07
		163,097,122.79		132,046,689.72	31,050,433.07
ALTERATIONS TO NAVAL VESSELS:					
(1925)	Mar. 4, 1925	1,000,000.00		212,832.91	787,167.09
MAINTENANCE, BUREAU OF YARDS AND DOCKS:					
1917	Mar. 1, 1921	1.23	*30.71*	31.94	
1917–18	——do——	196.43	[1] 783.20	*586.77*	
1919	July 1, 1918	783.20			
	Mar. 1, 1921	*2,538.94*		*770.31*	
1922	July 12, 1921	7,500,000.00	46,149.46	7,453,850.54	
1923	July 1, 1922	5,800,000.00	338.95	5,799,661.05	
1924	Jan. 22, 1923	5,650,000.00		5,633,362.11	16,637.89
1925	May 28, 1924	6,217,500.00		5,930,671.02	285,843.55
		25,165,941.92	47,240.90	24,816,219.58	302,481.44
CONTINGENT, BUREAU OF YARDS AND DOCKS:					
1917			*300.00*	300.00	
1919			[5] *7.73*	7.73	
1922	July 12, 1921	150,000.00	8,201.50	141,798.50	
1923	July 1, 1922	150,000.00	390.78	149,609.22	
1924	Jan. 22, 1923	125,000.00		118,052.08	6,947.92
1925	May 28, 1924	125,000.00			
	Mar. 4, 1925	50,000.00		126,940.60	48,059.40
		600,000.00	8,284.55	536,708.13	55,007.32
FISHERY RIGHTS, PEARL HARBOR, HAWAII:					
1924–25	Dec. 5, 1924	5,000.00		3,327.75	1,672.25
SALARIES, BUREAU OF YARDS AND DOCKS:					
1923	July 1, 1922	23,690.00	192.59	23,497.41	
1924	Jan. 22, 1923	188,690.00		188,626.34	63.66
1925	May 28, 1924	237,480.00		236,958.03	521.97
		449,860.00	192.59	449,081.78	585.63
NAVY YARD, BOSTON, MASS.:					
(1922)	Balance July 1, 1921.	733,669.07		314,398.03	
(1923)				281,801.98	
(1924)			30,973.42	32,961.59	
(1925)	May 28, 1924	220,000.00		111,686.45	181,847.60
		953,669.07	30,973.42	740,848.05	181,847.60

See footnotes at end of statement

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVY YARD, CHARLESTON, S. C.:					
(1922)	Balance July 1, 1921.	$1,546,972.08			
	July 12, 1921	40,000.00		$386,688.90	
(1923)	July 1, 1922	36,000.00		48,167.23	
(1924)	Jan. 22, 1923	20,000.00	$1,132,546.05	32,837.73	
(1925)	May 28, 1924	30,000.00	7,303.29	56,134.63	$9,294.25
		1,672,972.08	1,139,849.34	523,828.49	9,294.25
NAVY YARD, MARE ISLAND, CALIF.:					
(1922)	Balance July 1, 1921.	388,523.85			
	July 12, 1921	325,000.00		393,662.68	
(1923)	July 1, 1922	750,000.00			
	Jan. 22, 1923	1,500,000.00		848,053.28	
(1924)				1,300,912.53	
(1925)	May 28, 1924	785,500.00	249.24	695,229.64	510,916.48
		3,749,023.85	249.24	3,237,858.13	510,916.48
NAVY YARD, NEW YORK, N. Y.:					
(1922)	Balance July 1, 1921.	331,842.78			
	July 12, 1921	140,000.00		*497,464.60*	
(1923)			750,000.00	29,680.54	
(1924)			157.56	41,331.65	
(1925)	May 28, 1924	71,000.00		110,033.91	109,103.72
		542,842.78	750,157.56	*316,418.50*	109,103.72
NAVY YARD, NORFOLK, VA.:					
(1922)	Balance July 1, 1921.	698,538.46			
	July 12, 1921	250,000.00		599,681.64	
(1923)	July 1, 1922	75,000.00	*10,100.03*	241,761.46	
(1924)	Jan. 22, 1923	30,000.00	34,126.57	115,513.96	
(1925)	May 28, 1924	50,000.00		84,889.66	37,665.20
		1,103,538.46	24,026.54	1,041,846.72	37,665.20
NAVY YARD, PENSACOLA, FLA.:					
(1922)	Balance July 1, 1921.	8,563.80		8,479.05	
(1923)				31.15	
(1924)			53.60		
		8,563.80	53.60	8,510.20	
NAVY YARD, PHILADELPHIA, PA.:					
(1922)	Balance July 1, 1921.	308,871.51			
	July 12, 1921	200,000.00		423,273.90	
(1923)	July 1, 1922	75,000.00		63,284.14	
(1924)			10,821.56	77,862.54	
(1925)	May 28, 1924	50,000.00	6,046.81	33,425.21	19,157.35
		633,871.51	16,868.37	597,845.79	19,157.35
NAVY YARD, PORTSMOUTH, N. H.:					
(1922)	Balance July 1, 1921.	130,457.70		94,720.93	
(1923)				16,906.50	
(1924)			5,888.18	12,863.23	
(1925)	May 28, 1924	40,000.00		16,904.78	23,174.08
		170,457.70	5,888.18	141,395.44	23,174.08

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVY YARD, PUGET SOUND, WASH.:					
(1922)	Balance July 1, 1921.	$376,295.69			
	July 12, 1921	1,405,000.00		$435,007.30	
(1923)	July 1, 1922	590,000.00		1,140,231.77	
(1924)	Jan. 22, 1923	75,000.00	$14,013.57	719,978.42	
(1925)	May 28, 1924	350,000.00	8.15	215,608.65	$271,447.83
		2,796,295.69	14,021.72	2,510,826.14	271,447.83
NAVY YARD, WASHINGTON, D. C.:					
(1922)	Balance July 1, 1921.	456,102.85		238,039.14	
(1923)				72,112.55	
(1924)	Jan. 22, 1923	18,800.00	14,974.79	28,939.17	
(1925)	May 28, 1924	50,000.00	17,564.36	60,632.73	92,640.11
		524,902.85	32,539.15	399,723.59	92,640.11
NAVAL STATION, CAVITE, P. I.:					
(1922)	Balance July 1, 1921.	22,017.89		10,644.84	
(1924)	Jan. 22, 1923	98,000.00		80,808.54	
(1925)	May 28, 1924	141,000.00		117,330.61	52,233.90
		261,017.89		208,783.99	52,233.90
NAVAL STATION, GUANTANAMO, CUBA:					
(1922)	Balance July 1, 1921.	130,845.43			
	July 12, 1921	75,000.00		88,819.81	
(1923)				39,885.88	
(1924)			3,705.88	29,258.26	
(1925)	May 28, 1924	14,000.00		31,057.42	27,118.18
		219,845.43	3,705.88	189,021.37	27,118.18
NAVAL STATION, ISLAND OF GUAM:					
(1922)	Balance July 1, 1921.	56,186.13		31,292.04	
(1923)				9,346.60	
(1924)	Jan. 22, 1923	40,000.00		23,935.04	
(1925)	May 28, 1924	33,000.00	3.15	38,278.58	26,330.72
		129,186.13	3.15	102,852.26	26,330.72
NAVAL STATION, KEY WEST, FLA.:					
(1922)	Balance July 1, 1921.	73,965.69			
	July 12, 1921	800,000.00		573,987.54	
(1923)				272,528.14	
(1924)				13,385.73	
(1925)			2,873.23	3,277.47	7,913.58
		873,965.69	2,873.23	863,178.88	7,913.58
NAVAL STATION, NEW ORLEANS, LA.					
(1922)	Balance July 1, 1921.	37,121.78		36,879.01	
(1923)				204.71	
(1924)			6,171.49	*6,134.56*	
(1925)				1.13	
		37,121.78	6,171.49	30,950.29	
NAVAL STATION, OLONGAPO, P. I.:					
(1922)	Balance July 1, 1921.	1,510.34			
(1924)			1,510.34		

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL STATION, PEARL HARBOR, HAWAII:					
(1922)	Balance July 1, 1921.	$976,314.54			
	July 12, 1921	1,025,000.00		$523,809.19	
(1923)	July 1, 1922	228,000.00		622,217.25	
(1924)	Jan. 22, 1923	453,000.00	$10,354.59	909,601.87	
(1925)	May 28, 1924	198,000.00	36.70	516,565.64	$297,729.30
		2,880,314.54	10,391.29	2,572,193.95	297,729.30
NAVAL STATION, TUTUILA, SAMOA:					
(1922)	Balance July 1, 1921.	8,486.21		8,486.21	
(1925)	May 28, 1924	87,000.00		30,746.56	56,253.44
		95,486.21		39,232.77	56,253.44
NAVAL STATION, SAN DIEGO, CALIF.:					
(1925)	May 28, 1924	155,000.00		3,680.83	151,319.17
NAVAL STATION, ST. THOMAS, VIRGIN ISLANDS:					
(1925)	May 28, 1924	3,500.00		2,625.00	875.00
AMMUNITION DEPOT, PEARL HARBOR, HAWAII:					
(1922)	Balance July 1, 1921.	80,000.00			
	July 12, 1921	177,000.00		73,600.66	
(1923)	July 1, 1922	95,000.00		141,982.43	
(1924)	Jan. 22, 1923	140,000.00		130,360.72	
(1925)			4,580.51	91,613.71	49,861.97
		492,000.00	4,580.51	437,557.52	49,861.97
NAVAL AMMUNITION DEPOT, CHARLESTON, S. C.:					
(1923)	July 1, 1922	36,000.00			
(1924)			36,000.00		
NAVAL AMMUNITION DEPOT, FORT LAFAYETTE, N. Y.:					
(1923)	July 1, 1922	10,000.00		6,548.22	
(1924)				2,491.78	
(1925)			960.00		
		10,000.00	960.00	9,040.00	
NAVAL AMMUNITION DEPOT, IONA ISLAND, N. Y.:					
(1923)	July 1, 1922	15,000.00		897.81	
(1924)				4,085.35	
(1925)				9,309.97	706.87
		15,000.00		14,293.13	706.87
NAVAL AMMUNITION DEPOT, LAKE DENMARK, N. J.:					
(1923)	July 1, 1922	26,000.00		2,356.68	
(1924)	Jan. 22, 1923	4,200.00	1.00	19,037.18	
(1925)				2,934.42	5,870.72
		30,200.00	1.00	24,328.28	5,870.72
NAVAL AMMUNITION DEPOT, MARE ISLAND, CALIF.:					
(1922)	July 12, 1921	100,000.00		30,240.06	
(1923)	July 1, 1922	100,000.00		83,437.89	
(1924)				80,758.00	
(1925)				57.72	5,506.33
		200,000.00		194,493.67	5,506.33

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL AMMUNITION DEPOT, PUGET SOUND, WASH.:					
(1922)	July 12, 1921	$25,000.00		$5,127.61	
(1923)	July 1, 1922	8,000.00		25,589.37	
(1924)	Jan. 22, 1923	5,000.00	$0.03	2,036.51	
(1925)			19.22	5,227.26	
		38,000.00	19.25	37,980.75	
NAVAL MAGAZINE, CHARLESTON, S. C.:					
(1922)	Balance July 1, 1921.	12,748.77		3,300.36	
(1923)				451.99	
(1924)			8,996.42		
		12,748.77	8,996.42	3,752.35	
NAVAL MAGAZINE, DOVER, N. J.:					
(1922)	Balance July 1, 1921.	95,524.02		29,146.79	
(1923)				16,582.03	
(1924)			34,635.13	5,302.51	
(1925)				4,473.21	$5,384.35
		95,524.02	34,635.13	55,504.54	5,384.35
NAVAL MAGAZINE, FORT MIFFLIN, PA.:					
(1922)	Balance July 1, 1921.	383,356.26		82,634.97	
(1923)				1,123.92	
(1924)			651.26	10.11	
(1925)					298,936.00
		383,356.26	651.26	83,769.00	298,936.00
NAVAL MAGAZINE, KUHUA, HAWAII:					
(1922)		1,829.65		*2,299.42*	
(1923)				1,585.18	
(1925)				644.52	1,899.37
		1,829.65		*69.72*	1,899.37
NAVAL MAGAZINE, MARE ISLAND, CALIF.:					
(1922)	Balance July 1, 1921.	15,217.27		14,872.67	
(1923)				58.68	
(1924)			285.92		
		15,217.27	285.92	14,931.35	
NAVAL MAGAZINE, NEW YORK HARBOR, N. Y.:					
(1922)	Balance July 1, 1921.	23,163.53		3,781.36	
(1923)				1,381.40	
(1924)				7,721.32	
(1925)				9,546.10	733.35
		23,163.53		22,430.18	733.35
NAVAL MAGAZINE, NORFOLK, VA.:					
(1922)	Balance July 1, 1921.	63,049.82		56,890.84	
(1923)				4,438.75	
(1924)			1,720.23		
		63,049.82	1,720.23	61,329.59	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL MAGAZINE, PUGET SOUND, WASH.:					
(1922)	Balance July 1, 1922.	$26,277.89		$25,488.92	
(1923)				*202.37*	
(1924)			$81.76	868.59	
(1925)			213.74	*172.75*	
		26,277.89	295.50	25,982.39	
MARINE BARRACKS, ISLAND OF GUAM:					
(1922)	Balance July 1, 1921.	23.76		*230.68*	
(1923)				254.44	
		23.76		23.76	
MARINE BARRACKS, MARE ISLAND, CALIF.:					
(1922)	Balance July 1, 1921.	40,908.00		20,864.80	
(1923)				20,000.31	
(1924)			42.89		
		40,908.00	42.89	40,865.11	
MARINE BARRACKS, NORFOLK, VA.:					
(1922)	Balance July 1, 1921.	8,437.19		6,575.81	
(1923)				1,425.57	
(1924)			157.66	278.15	
		8,437.19	157.66	8,279.53	
MARINE BARRACKS, PEARL HARBOR, HAWAII:					
(1922)	Balance July 1, 1921.	176.84		*3,723.96*	
(1923)				3,900.80	
		176.84		176.84	
MARINE BARRACKS, PEKING, CHINA:					
(1922)	Balance July 1, 1921.	21,937.97		12,740.89	
(1923)				*1,555.97*	
(1924)			5,149.76	5,603.29	
		21,937.97	5,149.76	16,788.21	
MARINE BARRACKS, PHILADELPHIA, PA.:					
(1922)	Balance July 1, 1921.	1,842.36		1,204.94	
(1923)				637.42	
		1,842.36		1,842.36	
MARINE BARRACKS, QUANTICO, VA.:					
(1922)	Balance July 1, 1921.	385,056.61		28,391.65	
(1923)				11,009.30	
(1924)			299,926.72	3,281.80	
(1925)				266.72	$42,180.42
		385,056.61	299,926.72	42,949.47	42,180.42
MARINE BARRACKS, SAN DIEGO, CALIF.:					
(1922)	Balance July 1, 1921.	736,630.31			
	July 12, 1921	500,000.00		555,232.45	
(1923)	July 1, 1922	482,000.00		533,845.30	
(1924)	Jan. 22, 1923	7,500.00		63,813.44	
(1925)				481,722.26	91,516.86
		1,726,130.31		1,634,613.45	91,516.86

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL HOSPITAL, CANACAO, P. I.:					
(1922)	Balance July 1, 1921.	$387.31		$387.31	
NAVAL HOSPITAL, FORT LYON, COLO.:					
(1922)	Balance July 1, 1921.	19,597.36		15,045.00	
(1924)				*230.00*	
(1925)					$4,782.36
		19,597.36		14,815.00	4,782.36
NAVAL HOSPITAL, MARE ISLAND, CALIF.:					
(1922)	Balance July 1, 1921.	6,594.32		6,388.84	
(1924)			$205.48		
NAVAL HOSPITAL, NEWPORT, R. I.:					
(1922)	Balance July 1, 1921.	20,000.00			
(1923)				8,161.96	
(1924)			5,000.00	6,721.79	
(1925)				116.25	
		20,000.00	5,000.00	15,000.00	
NAVAL HOSPITAL, NORFOLK, VA.:					
(1922)	Balance July 1, 1921.	450.00			
(1925)					450.00
NAVAL HOSPITAL, PHILADELPHIA, PA.:					
(1922)	Balance July 1, 1921.	8,864.18		7,306.15	
(1924)			1,558.03		
NAVAL HOSPITAL, PORTSMOUTH, N. H:					
(1922)	Balance July 1, 1921.	564.89		564.89	
NAVAL HOSPITAL, PUGET SOUND, WASH.:					
(1922)	Balance July 1, 1921.	14,093.63		9,688.48	
(1923)				3,431.30	
(1924)			5.59	952.48	
(1925)				15.78	
		14,093.63	5.59	14,088.04	
NAVAL HOSPITAL, SAN DIEGO, CALIF.:					
(1922)	July 12, 1921	500,000.00			
(1923)	July 1, 1922	500,000.00		372,384.44	
(1924)				137,815.40	
(1925)				384,841.21	104,958.95
		1,000,000.00		895,041.05	104,958.95
LAND, ETC., NAVAL RADIO STATION, SOUTH SAN FRANCISCO, CALIF.:					
(1922)	Balance July 1, 1921.	2,902.66		*153.96*	
(1923)				3,056.62	
		2,902.66		2,902.66	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SUBMARINE AND DESTROYER BASE, COLUMBIA RIVER:					
(1922)	Balance July 1, 1921.	$250,000.00	----------	$5,365.65	----------
(1923)	----------	----------	----------	31,331.80	----------
(1924)	----------	----------	----------	176,334.72	----------
(1925)	----------	----------	----------	10,613.35	$26,354.48
		250,000.00	----------	223,645.52	26,354.48
NAVAL TRAINING STATION, SAN DIEGO, CALIF.:					
(1922)	Balance July 1, 1921.	949,450.29	----------	----------	----------
	July 12, 1921	1,000,000.00	----------	944,833.39	----------
(1923)	----------	----------	----------	914,991.57	----------
(1924)	Jan. 22, 1923	330,000.00	----------	297,232.15	----------
(1925)	May 28, 1924	40,000.00	----------	35,706.90	126,686.28
		2,319,450.29	----------	2,192,764.01	126,686.28
RIFLE RANGE, NAVAL STATION, BREMERTON, WASH.:					
(1922)	Balance July 1, 1921.	4,750.00	----------	----------	----------
(1924)	----------	----------	$4,750.00	----------	----------
NAVAL TRAINING STATION, CALIFORNIA BUILDINGS:					
(1922)	Balance July 1, 1921.	28,157.24	----------	28,497.90	----------
(1923)	----------	----------	----------	*340.66*	----------
		28,157.24	----------	28,157.24	----------
TORPEDO STATION, NEWPORT, R. I., BUILDINGS:					
(1922)	Balance July 1, 1921.	71,444.89	----------	*36,293.49*	----------
(1923)	----------	----------	----------	105,962.11	----------
(1924)	----------	----------	1,770.56	5.71	----------
		71,444.89	1,770.56	69,674.33	----------
NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS:					
(1922)	Balance July 1, 1921.	63,598.06	----------	2,245.16	----------
(1923)	----------	----------	----------	27,647.19	----------
(1924)	----------	----------	2.95	13,924.61	----------
(1925)	----------	----------	----------	15,552.86	4,225.29
		63,598.06	2.95	59,369.82	4,225.29
NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS:					
(1922)	Balance July 1, 1921.	776,385.43	----------	----------	----------
	July 12, 1921	546,805.00	----------	1,058,010.25	----------
(1923)	July 1, 1922	425,000.00	----------	346,919.13	----------
(1924)	Jan. 22, 1923	20,000.00	----------	307,628.84	----------
(1925)	May 28, 1924	115,000.00	461.37	26,576.85	143,593.99
		1,883,190.43	461.37	1,739,135.07	143,593.99
SUBMARINE BASE, COCO SOLO, CANAL ZONE:					
(1922)	July 12, 1921	40,000.00	----------	30,579.44	----------
(1923)	----------	----------	----------	9,420.56	----------
		40,000.00	----------	40,000.00	----------
SUBMARINE BASE, PEARL HARBOR, HAWAII:					
(1922)	July 12, 1921	150,000.00	----------	40,975.59	----------
(1923)	July 1, 1922	71,500.00	----------	4,412.77	----------
(1924)	Jan. 22, 1923	100,000.00	----------	170,085.02	----------
(1925)	May 28, 1924	50,000.00	----------	102,891.33	53,135.29
		371,500.00	----------	318,364.71	53,135.29

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SUBMARINE BASE, NEW LONDON, CONN.:					
(1922)	Balance July 1, 1921.	$102,070.44		$80,471.81	
(1923)				13,423.10	
(1924)				3,533.26	
(1925)			$7,251.27	*2,609.00*	
		102,070.44	7,251.27	94,819.17	
BUILDING AND GROUNDS, NAVAL ACADEMY:					
(1922)	Balance July 1, 1921.	589,388.29		155,863.10	
(1923)				71,284.09	
(1924)				300,195.13	
(1925)			20,722.75	23,157.07	$18,166.15
		589,388.29	20,722.75	550,499.39	18,166.15
NAVAL TORPEDO STATION, KEYPORT, WASH.:					
(1923)	July 1, 1922	45,000.00		15,297.09	
(1924)				27,777.01	
(1925)	May 28, 1924	85,000.00		34,164.13	52,761.77
		130,000.00		77,238.23	52,761.77
MARINE RECRUITING STATION, PORT ROYAL, S. C.:					
(1922)	Balance July 1, 1921.	150,367.45		70,005.30	
(1923)				47,562.39	
(1924)				13,845.30	
(1925)				1,352.46	17,602.00
		150,367.45		132,765.45	17,602.00
NAVAL AERONAUTIC STATION, PENSACOLA, FLA.:					
(1922)	Balance July 1, 1921.	31,727.19		*5,227.48*	
(1923)				35,326.78	
(1924)			1,627.89		
		31,727.19	1,627.89	30,099.30	
NAVAL PROVING GROUND, INDIANHEAD, MD.:					
(1922)	Balance July 1, 1921.	115,566.92		62,314.77	
(1923)				4,008.25	
(1924)			1,369.70	4,523.77	
(1925)			38,224.04	2,603.62	2,522.77
		115,566.92	39,593.74	73,450.41	2,522.77
PURCHASE OF DRY DOCK, BOSTON, MASS.:					
(1922)	Balance July 1, 1921.	7,681.77		7,681.77	
BRIDGE, NAVY YARD, PORTSMOUTH, N. H.:					
(1922)	Balance July 1, 1921.	149,923.12		146,693.02	
(1923)	July 1, 1922	250,000.00		204,598.50	
(1924)				3,693.79	
(1925)				830.06	44,107.75
		399,923.12		355,815.37	44,107.75
DEPOTS FOR COAL:					
(1922)	Balance July 1, 1921.	830,361.65			
	July 12, 1921	60,000.00		259,904.15	
(1923)				130,690.79	
(1924)			21,474.91	113,774.20	
(1925)			412,841.71	*58,789.74*	10,465.63
		890,361.65	434,316.62	445,579.40	10,465.63

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL COAL DEPOT, MELVILLE STATION, R. I.:					
(1922)	Balance July 1, 1921.	$15,258.17		$223.61	
(1923)				34.56	
(1925)					$15,000.00
		15,258.17		258.17	15,000.00
NAVAL FUEL DEPOT, SAN DIEGO, CALIF.:					
(1922)	Balance July 1, 1921.	1,006,051.65			
	July 12, 1921	200,000.00		784,874.45	
(1923)				397,568.78	
(1924)				22,031.69	
(1925)	May 28, 1924	60,000.00	$27.66	1,549.07	60,000.00
		1,266,051.65	27.66	1,206,023.99	60,000.00
HOSPITAL AND MEDICAL SUPPLY DEPOTS:					
(1922)	Balance July 1, 1921.	5,706,607.21	[6] 500,000.00	1,387,731.84	
(1923)				461,745.20	
(1924)			26,052.20	556,759.66	
(1925)			1,800,040.00	101,322.53	872,955.78
		5,706,607.21	2,326,092.20	2,507,559.23	872,955.78
QUARTERS FOR MARINE GUARDS AT NAVAL MAGAZINES:					
(1922)	Balance July 1, 1921.	6,039.25			
(1923)				*489.03*	
(1924)				1,633.31	
(1925)			4,883.13	11.84	
		6,039.25	4,883.13	1,156.12	
COMMISSION ON ADDITIONAL NAVY YARDS AND STATIONS:					
(1922)	Balance July 1, 1921.	3,320.26			
(1924)			3,320.26		
CONSOLIDATING POWER PLANTS, NAVY YARDS AND STATIONS:					
(1922)	Balance July 1, 1921.	711.04		711.04	
GUNS AND MUNITIONS STORAGE AT NAVY YARDS AND STATIONS:					
(1922)	Balance July 1, 1921.	33.75		*2,275.74*	
(1923)				*1,735.04*	
(1924)			4,044.53		
		33.75	4,044.53	*4,010.78*	
LIGHTING FACILITIES, NAVY YARDS AND STATIONS:					
(1922)	Balance July 1, 1921.	6,140.72		8,313.36	
(1923)				*2,200.48*	
(1924)			27.84		
		6,140.72	27.84	6,112.88	

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SUBMARINE FACILITIES, NAVY YARDS AND STATIONS:					
(1922)	Balance July 1, 1921.	$105,377.75		$99,030.72	
(1923)				*6,679.45*	
(1924)			$4,979.05	8,047.43	
		105,377.75	4,979.05	100,398.70	
POWER PLANTS AND DISTRIBUTING SYSTEMS, NAVY YARD AND STATIONS:					
(1922)	Balance July 1, 1921.	243,842.22		170,010.48	
(1923)				68,365.07	
(1924)				*20.00*	
(1925)			5,486.67		
		243,842.22	5,486.67	238,355.55	
ORDNANCE STORAGE:					
(1922)	Balance July 1, 1921.	254,660.85		132,639.38	
(1923)				*88,493.29*	
(1924)			207,244.94	3,261.16	
(1925)			*2,121.05*	2,129.71	
		254,660.85	205,123.89	49,536.96	
HANDLING APPLIANCES AT NAVY YARDS:					
(1922)	Balance July 1, 1921.	31,597.86		14,234.42	
(1923)				12,391.61	
(1924)				2,763.56	
(1925)			111.08	2,097.19	
		31,597.86	111.08	31,486.78	
NAVAL TRAINING CAMPS:					
(1922)	Balance July 1, 1921.	4,038,020.02		3,801,130.45	
(1923)				87,853.58	
(1924)			2,000,000.00	*2,030,465.07*	
(1925)				*403.53*	$179,904.59
		4,038,020.02	2,000,000.00	1,858,115.43	179,904.59
IMPROVEMENTS AT ORDNANCE STATIONS:					
(1922)	Balance July 1, 1921.	902,850.12		45,180.41	
(1923)				31,878.80	
(1924)				212,654.42	
(1925)			300,000.00	12,310.75	300,825.74
		902,850.12	300,000.00	302,024.38	300,825.74
TEMPORARY STORAGE FACILITIES, NAVY:					
(1922)	Balance July 1, 1921.	605,805.83		401,112.27	
(1923)				163,962.87	
(1924)				24,800.57	
(1925)			15,685.84	244.28	
		605,805.83	15,685.84	590,119.99	
TORPEDO STORAGE FACILITIES, NAVY:					
(1922)	Balance July 1, 1921.	18,309.60		16,538.88	
(1923)				*1,449.18*	
(1924)			3,219.90		
		18,309.60	3,219.90	15,089.70	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
MARINE RAILWAYS AT NAVY YARDS:					
(1922)	Balance July 1, 1921.	$2,016.64		*$3,432.02*	
(1923)				5,386.66	
(1924)			$62.00		
		2,016.64	62.00	1,954.64	
LAND FOR NAVAL WAREHOUSE, SOUTH BROOKLYN, N. Y.:					
(1922)	Balance July 1, 1921.	1,085.90			
(1924)			1,085.90		
NAVAL DISCIPLINARY BARRACKS:					
(1922)	Balance July 1, 1921.	695.39		695.39	
EXPERIMENTAL AND RESEARCH LABORATORY:					
(1922)	Balance July 1, 1921.	897,571.76		507,456.83	
(1923)				197,879.52	
(1924)				66,401.05	
(1925)				38,281.82	$87,552.54
		897,571.76		810,019.22	87,552.54
NAVAL OPERATING BASE, HAMPTON ROADS, VA.:					
(1922)	Balance July 1, 1921.	21,775.50			
	July 12, 1921	20,000.00		*698,954.95*	
(1923)	July 1, 1922	200,000.00		883,525.35	
(1924)	Jan. 22, 1923	25,000.00	1,047.30	*23,279.18*	
(1925)			21.71	5,043.29	99,371.98
		266,775.50	1,069.01	166,334.51	99,371.98
NAVAL AIR STATION SITE, CAPE MAY, N. J.:					
(1922)	Balance July 1, 1921.	116,805.56		*31,527.77*	
(1923)	July 1, 1922	180,930.00			
(1925)					329,263.33
		297,735.56		*31,527.77*	329,263.33
SUPPLY DEPOT, MARINE CORPS, SAN FRANCISCO, CALIF.:					
(1925)	May 28, 1924	500,000.00		335,220.47	164,779.53
CONTINGENT, BUREAU OF NAVIGATION:					
1921			800.00	*800.00*	
1922	July 12, 1921	20,000.00	[6] 2,500.00		
			7,008.60	10,491.40	
1923	July 1, 1922	16,000.00	6,344.66	9,655.34	
1924	Jan. 22, 1923	15,000.00		12,047.97	2,952.03
1925	May 28, 1924	18,000.00		5,439.60	12,560.40
		69,000.00	16,653.26	36,834.31	15,512.43
RECRUITING, BUREAU OF NAVIGATION:					
1917–18	Mar. 1, 1921	25.00		25.00	
TRANSPORTATION, BUREAU OF NAVIGATION:					
1917	Mar. 1, 1921	308.90	12.40	296.50	
1917–18	do	2,923.60	[1] 2.40	2,921.20	
1919	July 1, 1918	2.40	[5] *16,659.33*	16,661.73	
1920			[5] *12,956.19*	12,956.19	

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
TRANSPORTATION, BUREAU OF NAVIGATION—Contd.					
1921	Mar. 20, 1922	$2,666,466.45			
	Mar. 4, 1923	87,325.78	$740.47	$2,753,051.76	
1922	July 12, 1921	3,500,000.00			
	Mar. 20, 1922	2,117,314.67	1,671,890.03	3,945,424.64	
1923	July 1, 1922	4,151,775.00			
	Dec. 5, 1924	228,542.11	822.46	4,379,493.55	$1.10
1924	Jan. 22, 1923	4,000,000.00	[17] 228,542.11	2,952,838.59	818,619.30
1925	May 28, 1924	3,600,000.00		2,239,852.19	1,360,147.81
		20,354,658.91	1,872,394.35	16,303,496.35	2,178,768.21
GUNNERY AND ENGINEERING EXERCISES:					
1917–18	Mar. 1, 1921	20.00		20.00	
1920	[§]		[5] *5.96*	5.96	
1922	July 12, 1921	100,000.00	[6] 3,000.00		
			14,140.07	82,859.93	
1923	July 1, 1922	93,200.00	2,459.76	90,740.24	
1924	Jan. 22, 1923	83,000.00			
	Apr. 2, 1924	24,300.00		98,539.02	8,760.98
1925	May 28, 1924	95,000.00		43,032.73	51,967.27
		395,520.00	19,593.87	315,197.88	60,728.25
OUTFITS ON FIRST ENLISTMENT:					
1914	Mar. 1, 1921	60.00		60.00	
1917	do	789.38	23.06	766.32	
1917–18	do	19,851.98	[1] 121.65	19,730.33	
1919	July 1, 1918	121.65			
	Mar. 1, 1921	15,628.30		15,749.95	
1920			[5] *148.13*	148.13	
		36,451.31	*3.42*	36,454.73	
INSTRUMENT AND SUPPLIES, BUREAU OF NAVIGATION:					
1917			*2.00*	2.00	
1917–18	Mar. 1, 1921	3,415.94	[1] 1.00	3,414.94	
1919	July 1, 1918	1.00	[5] *10.64*	11.64	
1920			[5] *35.14*	35.14	
1922	July 12, 1921	750,000.00	[6] 10,000.00		
			70,670.13	669,329.87	
1923	July 1, 1922	690,112.00	105,667.72	584,444.28	
1924	Jan. 22, 1923	640,000.00		458,318.35	181,681.65
1925	May 28, 1924	640,000.00		429,872.39	210,127.61
		2,723,528.94	186,291.07	2,145,428.61	391,809.26
OCEAN AND LAKE SURVEYS, BUREAU OF NAVIGATION:					
1922	July 12, 1921	105,000.00	[6] 15,000.00		
			40,059.34	49,940.66	
1923	July 1, 1922	90,000.00	31,691.71	58,308.29	
1924	Jan. 22, 1923	75,000.00		73,471.37	1,528.63
1925	May 28, 1924	85,000.00		59,717.67	25,282.33
		355,000.00	86,751.05	241,437.99	26,810.96
ARMING AND EQUIPPING NAVAL MILITIA:					
1917	Mar. 1, 1921	25.00		25.00	
NAVAL TRAINING STATION, RHODE ISLAND:					
1922	July 12, 1921	185,000.00	619.26	184,380.74	
1923	July 1, 1922	225,000.00	55.77	224,944.23	
1924	Jan. 22, 1923	225,000.00		224,641.04	358.96
1925	May 28, 1924	250,000.00		246,281.44	3,718.56
		885,000.00	675.03	880,247.45	4,077.52
MAINTENANCE, NAVAL OPERATING BASE, HAMPTON ROADS, VA.:					
1922	July 12, 1921	375,000.00	[6] 2,100.00		
			6,133.59	366,766.41	
1923	July 1, 1922	260,000.00	6,914.98	253,085.02	
		635,000.00	15,148.57	619,851.43	

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL TRAINING STATION, HAMPTON ROADS, VA.:					
1924	Jan. 22, 1923	$260,000.00		$257,511.47	$2,488.53
1925	May 28, 1924	260,000.00		257,676.00	2,324.00
		520,000.00		515,187.47	4,812.53
NAVAL TRAINING STATION, GREAT LAKES, ILL.:					
1917–18			[1] $194.46	*194.46*	
1919	July 1, 1918	194.46	[5] 194.46		
1921	Mar. 4, 1923	861.59		861.59	
1922	July 12, 1921	400,000.00	1,549.13	398,450.87	
1923	July 1, 1922	200,000.00	151.44	199,848.56	
1924	Jan. 22, 1923	250,000.00		249,653.37	346.63
1925	May 28, 1924	250,000.00		228,016.58	21,983.42
		1,101,056.05	2,089.49	1,076,636.51	22,330.05
NAVAL TRAINING STATION, CALIFORNIA:					
1922	July 12, 1921	125,000.00	[6] 5,000.00		
			11,666.30	108,333.70	
1923	July 1, 1922	125,000.00	4,362.08	120,637.92	
1924	Jan. 22, 1923	125,000.00		124,356.22	643.78
1925	May 28, 1924	150,000.00		147,656.35	2,343.65
		525,000.00	21,028.38	500,984.19	2,987.43
NAVAL WAR COLLEGE:					
1920			[5] *8.00*	8.00	
1922	July 12, 1921	90,950.00	2,573.04	88,376.96	
1923	July 1, 1922	90,950.00	1,137.37	89,812.63	
1924	Jan. 22, 1923	89,450.00		86,093.80	3,356.20
1925	May 28, 1924	100,000.00		94,687.90	5,312.10
		371,350.00	3,702.41	358,979.29	8,668.30
NAVAL HOME, PHILADELPHIA, PA.:					
1920			6,004.81	*6,004.81*	
1921			1,329.03	*1,329.03*	
1922	July 12, 1921	157,646.00	[7] 12,732.28	144,913.72	
1923	July 1, 1922	158,622.00	[7] 8,016.36	150,605.64	
1924	Jan. 22, 1923	154,800.00		144,544.62	10,255.38
1925	May 28, 1924	177,550.00		162,587.28	14,962.72
		648,618.00	28,082.48	595,317.42	25,218.10
PAY, NAVAL ACADEMY:					
1921			[6] 250,000.00	*250,000.00*	
1922	July 12, 1921	1,035,645.83	[6] 5,600.00		
			48,638.57	981,407.26	
1923	July 1, 1922	1,001,261.00	84,793.61	916,467.39	
1924	Jan. 22, 1923	905,348.00		862,475.59	42,872.41
1925	May 28, 1924	821,657.00			
	Dec. 6, 1924	24,000.00		812,571.46	33,085.54
		3,787,911.83	389,032.18	3,322,921.70	75,957.95
CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY:					
1922	July 12, 1921	119,700.00	13,975.75	105,724.25	
1923	July 1, 1922	109,700.00	8,668.60	101,031.40	
1924	Jan. 22, 1923	100,000.00		89,362.17	10,637.83
1925	May 28, 1924	91,000.00		74,081.92	16,918.08
		420,400.00	22,644.35	370,199.74	27,555.91
MAINTENANCE AND REPAIRS, NAVAL ACADEMY:					
1920			[5] *465.87*	465.87	
1922	July 12, 1921	1,118,500.00	15,270.57	1,103,229.43	
1923	July 1, 1922	1,118,500.00	14,716.37	1,103,783.63	
1924	Jan. 22, 1923	1,118,500.00		1,105,814.86	12,685.14
1925	May 28, 1924	1,063,500.00		961,714.07	101,785.93
		4,419,000.00	29,521.07	4,275,007.86	114,471.07

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
ORGANIZING THE NAVAL RESERVE FORCE:					
1917	Mar. 1, 1921	$9.36	----------	$9.36	----------
1917–18	Mar. 1, 1921	281.07	----------	281.07	----------
1921	----------	----------	$8.27	*8.27*	----------
1922	July 12, 1921	50,000.00	54,124.77	*4,124.77*	----------
1923	July 1, 1922	3,000,000.00	674,876.60	2,325,245.40	*$122.00*
1924	Jan. 22, 1923	3,594,000.00	----------	3,337,549.04	256,450.96
1925	May 28, 1924	3,900,000.00	----------	3,086,969.82	813,030.18
		10,544,290.43	729,009.64	8,745,921.65	1,069,359.14
SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE:					
1917–18	Mar. 1, 1921	760.20	[1] 156.97	603.23	----------
1919	July 1, 1918	156.97	----------	----------	----------
	Mar. 1, 1921	*126.47*	----------	30.50	----------
		790.70	156.97	633.73	----------
RECREATION FOR ENLISTED MEN, NAVY:					
1921	----------	----------	24.42	*24.42*	----------
1922	July 12, 1921	800,000.00	58,802.77	741,197.23	----------
1923	July 1, 1922	520,000.00	19,983.61	500,016.39	----------
1924	Jan. 22, 1923	555,000.00	----------	528,076.03	26,923.97
1925	May 28, 1924	500,000.00	----------	421,826.86	78,173.14
		2,375,000.00	78,810.80	2,191,092.09	105,097.11
SUMMER SCHOOL FOR BOYS:					
1921	----------	----------	[6] 100,000.00	*100,000.00*	----------
GROUNDS AND ROADS, NAVAL OBSERVATORY:					
1923	July 1, 1922	5,000.00	231.44	4,768.56	----------
1924	Jan. 22, 1923	5,000.00	----------	4,977.06	22.94
1925	May 28, 1924	7,410.00	----------	7,321.50	88.50
		17,410.00	231.44	17,067.12	111.44
CONTINGENT AND MISCELLANEOUS EXPENSES, NAVAL OBSERVATORY:					
1923	July 1, 1922	24,000.00	464.50	23,535.50	----------
1924	Jan. 22, 1923	24,000.00	----------	23,646.13	353.87
1925	May 28, 1924	26,500.00	----------	----------	----------
	Jan. 20, 1925	15,000.00	----------	21,694.25	19,805.75
		89,500.00	464.50	68,875.88	20,159.62
CONTINGENT AND MISCELLANEOUS EXPENSES, HYDROGRAPHIC OFFICE:					
1923	July 1, 1922	148,700.00	10,790.20	137,909.80	----------
1924	Jan. 22, 1923	115,000.00	----------	112,541.87	2,458.13
1925	May 28, 1924	115,350.00	----------	----------	----------
	Dec. 6, 1924	7,140.00	----------	103,336.31	19,153.69
		386,190.00	10,790.20	353,787.98	21,611.82
RECEIVING BARRACKS, NAVY:					
Dec. 31, 1919	Balance July 1, 1921.	173.99	----------	173.99	----------
1921	Mar. 20, 1922	7,532.89	----------	7,532.89	----------
1922	July 12, 1921	50,000.00	15,467.11	34,532.89	----------
		57,706.88	15,467.11	42,239.77	----------
SALARIES, BUREAU OF NAVIGATION:					
1923	July 1, 1922	100,010.00	2,275.69	97,734.31	----------
1924	Jan. 22, 1923	345,000.00	----------	344,256.93	743.07
1925	May 28, 1924	425,000.00	----------	424,989.50	10.50
		870,010.00	2,275.69	866,980.74	753.57

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SALARIES, HYDROGRAPHIC OFFICE:					
1923	July 1, 1922	$109,540.00	$3,745.16	$105,794.84	----------
1924	Jan. 22, 1923	215,000.00	----------	214,529.60	$470.40
1925	May 28, 1924	300,000.00	----------	300,000.00	----------
		624,540.00	3,745.16	620,324.44	470.40
SALARIES, NAVAL OBSERVATORY:					
1923	July 1, 1922	56,400.00	888.18	55,511.82	----------
1924	Jan. 22, 1923	55,000.00	----------	54,889.31	110.69
1925	May 28, 1924	79,260.00	----------	79,181.50	78.50
		190,660.00	888.18	189,582.63	189.19
SALARIES, NAUTICAL ALMANAC OFFICE:					
1923	July 1, 1922	19,920.00	94.27	19,825.73	----------
1924	Jan. 22, 1923	19,920.00	----------	19,919.95	.05
1925	May 28, 1924	30,960.00	----------	30,374.00	586.00
		70,800.00	94.27	70,119.68	586.05
ADMINISTRATION EXPENSES, WORLD WAR ADJUSTED COMPENSATION ACT:					
1924–25	Dec. 5, 1924	450,000.00	[14] 190,835.53	259,164.47	----------
1925–26	Mar. 4, 1925	190,835.53	----------	26,873.64	163,961.89
		640,835.53	190,835.53	286,038.11	163,961.89
PURCHASE OF LAND, NAVAL OBSERVATORY:					
1924	Dec. 5, 1924	4,041.00	----------	----------	4,041.00
ORDNANCE AND ORDNANCE STORES:					
1917	----------	----------	47.07	*47.07*	----------
1917–18	Mar. 1, 1921	21,339.19	[1] 8,000.00	13,339.19	----------
1919	July 1, 1918	8,000.00	[5] 12,518.78	*4,518.78*	----------
1920	----------	----------	[5] *56,364.63*	56,364.63	----------
1921	----------	----------	[6] 750,000.00	----------	----------
	----------	----------	1,045.24	*751,045.24*	----------
1922	July 12, 1921	14,200,000.00	[6] 291,203.24	----------	----------
	----------	----------	1,756,790.35	12,152,006.41	----------
1923	July 1, 1922	9,667,000.00	259,208.55	9,410,623.56	*2,832.11*
1924	Jan. 22, 1923	11,203,000.00	----------	10,787,190.66	415,809.34
1925	May 28, 1924	9,797,000.00	----------	8,368,026.80	1,428,973.20
		44,896,339.19	3,022,448.60	40,031,940.16	1,841,950.43
CONTINGENT, BUREAU OF ORDNANCE:					
1922	July 12, 1921	20,000.00	6,767.59	13,232.41	----------
1923	July 1, 1922	18,000.00	7,535.47	10,464.53	----------
1924	Jan. 22, 1923	18,000.00	----------	11,244.41	6,755.59
		56,000.00	14,303.06	34,941.35	6,755.59
NAVAL GUN FACTORY, WASHINGTON, D. C.:					
1919	----------	----------	[5] 100.62	*100.62*	----------
EXPERIMENTS, BUREAU OF ORDNANCE:					
1919	----------	----------	[5] 969.64	*969.64*	----------
1920	----------	----------	[5] *2,587.50*	2,587.50	----------
1921	----------	----------	101.33	*101.33*	----------
1922	July 12, 1921	250,000.00	42,400.27	207,599.73	----------
1923	July 1, 1922	205,000.00	30,579.29	174,420.71	----------
1924	Jan. 22, 1923	195,000.00	----------	187,168.53	7,831.47
1925	May 28, 1924	195,000.00	----------	181,826.11	13,173.89
		845,000.00	71,463.03	752,531.61	21,005.36

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NEW BATTERIES FOR SHIPS OF THE NAVY:					
1917–18			[1] $147.02	*$147.02*	
1919	July 1, 1918	$147.02	[5] 4,785.41	*4,638.39*	
		147.02	4,932.43	*4,785.41*	
RESERVE ORDNANCE SUPPLIES:					
1917–18			[1] 85.40	*85.40*	
1919	July 1, 1918	85.40	[5] 13,241.03	*13,155.63*	
		85.40	13,326.43	*13,241.03*	
ORDNANCE MATERIAL, PROCEEDS OF SALES:					
(1922)	Balance July 1, 1921.	544,964.08		52,438.38	
(1923)	Mar. 3, 1875	49,161.52		4,084.65	
(1924)	do	3,300.00	[8] 450,000.00		
			90,902.57		
		597,425.60	540,902.57	56,523.03	
TORPEDOES AND APPLIANCES:					
1917–19			[1] 29.25	*29.25*	
1919	July 1, 1918	29.25	[5] 2,579.90	*2,550.65*	
1920–22	Balance July 1, 1921.	401,659.87	96,088.63	305,571.24	
(1925)	May 28, 1924	850,000.00		179,824.63	$670,175.37
		1,251,689.12	98,697.78	482,815.97	670,175.37
ARMAMENT AND AMMUNITION FOR COAST GUARD VESSELS:					
(1922)	Balance July 1, 1921.	48,318.32	[6] 43,874.57	4,443.75	
BATTERIES FOR MERCHANT AUXILIARIES:					
(1922)	Balance July 1, 1921.	675,565.18	[6] 685,606.77	*10,031.90*	
(1923)				*3,486.00*	
(1925)			3,476.31		
		675,565.18	689,083.08	*13,517.90*	
AMMUNITION FOR SHIPS OF THE NAVY:					
(1922)	Balance July 1, 1921.	662,915.47		28,324.42	
(1923)				440,041.44	
(1924)				169,201.73	
(1925)				*16,934.19*	42,282.07
		662,915.47		620,633.40	42,282.07
AMMUNITION FOR VESSELS:					
1917–18	Mar. 1, 1921	492.47	[1] 55.00	437.47	
1919	July 1, 1918	55.00	[5] 716.39	*661.39*	
		547.47	771.39	*223.92*	
PROJECTILE PLANT, NAVY:					
(1922)	Balance July 1, 1921.	34,854.88		16,221.47	
(1923)				*31.98*	
(1925)				*51,025.70*	69,691.09
		34,854.88		*34,836.21*	69,691.09
ARMOR PLANT, NAVY:					
(1922)	Balance July 1, 1921.	878,145.81		280,363.77	
(1923)				75,098.22	
(1925)			450,000.00	*46,683.43*	119,367.25
		878,145.81	450,000.00	308,778.56	119,367.25

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVY NITRATE PLANT:					
(1922)	Balance July 1, 1921.	$369,680.80	[6] $369,680.80		
NAVY MINE DEPOT:					
(1922)	Balance July 1, 1921.	723,830.28		$211,448.09	
(1923)				524,068.14	
(1924)				*10,847.51*	
(1925)	Mar. 1, 1921	14,696.49		13,858.05	
		738,526.77		738,526.77	
INCREASING FACILITIES FOR PROOF AND TEST OF ORDNANCE MATERIAL, NAVY:					
(1922)	Balance July 1, 1921.	89,205.88		70,039.49	
(1923)				19,135.86	
(1925)			30.53		
		89,205.88	30.53	89,175.35	
SALARIES, BUREAU OF ORDNANCE:					
1923	July 1, 1922	31,830.00	1,452.00	30,378.00	
1924	Jan. 22, 1923	124,000.00		123,870.39	$129.61
1925	May 28, 1924	142,600.00		141,170.00	1,430.00
		298,430.00	1,452.00	295,418.39	1,559.61
CONSTRUCTION AND REPAIR:					
1902	Mar. 1, 1921	1.40		1.40	
1916			*18.60*	18.60	
1917	Mar. 1, 1921	1.81		1.81	
1917–18	do	513.26	[1] 20.00	493.26	
1919	July 1, 1918	20.00	[5] *34,428.59*	34,448.59	
1920	Mar. 1, 1921	6,619.75		6,619.75	
1921	Mar. 4, 1922	300,000.00			
	Mar. 4, 1923	125,000.00	131.60	424,868.40	
1922	July 12, 1921	22,500,000.00	1,107,537.05	21,392,462.95	
1923	July 1, 1922	16,000,000.00	161,200.72	15,838,799.28	
1924	Jan. 22, 1923	15,785,000.00		15,623,478.49	161.521,51
1925	May 28, 1924	15,605,000.00		15,130,900.98	474,099.02
		70,322,156.22	1,234,442.18	68,452,093.51	635,620.53
CONSTRUCTION PLANTS, AT NAVY YARDS:					
1917			*284.40*	284.40	
SALARIES, BUREAU OF CONSTRUCTION AND REPAIR:					
1923	July 1, 1922	59,830.00	1,082.53	58,747.47	
1924	Jan. 22, 1923	289,000.00		288,854.09	145.91
1925	May 28, 1924	313,000.00		311,062.54	1,937.46
		661,830.00	1,082.53	658,664.10	2,083.37
ENGINEERING:					
1915			*18.99*	13.99	
1917	Mar. 1, 1921	497.38	*19.62*	517.00	
1917–18	do	10,682.50	[1] 42.45	10,640.05	
1919	July 1, 1918	42.45	[5] 1,533.71	*1,491.26*	
1920	Mar. 1, 1921	16,726.07		16,726.07	
1921	Mar. 20, 1922	900,000.00	62.69	899,937.31	
1922	July 12, 1921	20,500,000.00	453,918.14	20,046,081.86	
1923	July 1, 1922	14,795,000.00	167,888.06	14,627,111.94	
1924	Jan. 22, 1923	14,440,000.00		14,016,803.80	423,196.20
1924–25	May 28, 1924	2,100,000.00		1,828,023.55	271,976.45
1925	do	15,450,000.00		14,769,732.68	680,267.32
1925–26	Feb. 11, 1925	1,100,000.00		376,892.59	723,107.41
		69,312,948.40	623,411.44	66,590,989.58	2,098,547.38

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
ENGINEERING EXPERIMENTAL STATION, ANNAPOLIS, MD.:					
1922	July 12, 1921	$225,000.00	$47,712.87	$177,287.13	----------
1923	July 1, 1922	200,000.00	600.64	199,399.36	----------
1924	Jan. 22, 1923	175,000.00	----------	169,755.46	$5,244.54
1925	May 28, 1924	175,000.00	----------	165,496.89	9,503.11
		775,000.00	48,313.51	711,938.84	14,747.65
MACHINERY PLANTS NAVY YARDS:					
1917	----------	----------	*17,360.00*	17,360.00	----------
MACHINERY PLANT, NAVAL STATION, CAVITE, P. I.:					
(1922)	Balance July 1, 1921.	30,159.94	----------	----------	----------
(1925)	----------	----------	30,159.94	----------	----------
HIGH POWER RADIO STATIONS:					
(1922)	Balance July 1, 1921.	13,225.29	----------	*802.93*	----------
(1923)	----------	----------	----------	10,765.75	----------
(1925)	----------	----------	3,262.47	----------	----------
		13,225.29	3,262.47	9,962.82	----------
CONSTRUCTION OF PROPELLING ENGINES:					
(1922)	Balance July 1, 1921.	461,515.62	[6] 477,007.62	*15,492.00*	----------
CARE AND CUSTODY OF NAVAL PETROLEUM RESERVES UNDER OIL LEASING ACT:					
1922	{Feb. 25, 1920 June 4, 1920}	500,000.00	- 9,118.78	490,881.22	----------
SALARIES, BUREAU OF ENGINEERING:					
1923	July 1, 1922	35,390.00	3,532.15	31,857.85	----------
1924	Jan. 22, 1923	254,000.00	----------	249,987.04	4,012.96
1925	May 28, 1924	283,800.00	----------	281,599.00	2,201.00
		573,190.00	3,532.15	563,443.89	6,213.96
PAY OF THE NAVY:					
1861	Mar. 1, 1921	84.01	----------	84.01	----------
1899	-----do-----	19.00	----------	19.00	----------
1911	-----do-----	8.25	----------	8.25	----------
1912	-----do-----	9.90	----------	9.90	----------
1913	-----do-----	9.90	----------	9.90	----------
1914	-----do-----	9.90	----------	9.90	----------
1915	-----do-----	38.54	----------	38.54	----------
1916	-----do-----	34.79	*197.53*	232.32	----------
1917	-----do-----	1,960.48	3,763.84	*1,803.36*	----------
1917–18	-----do-----	12,324.87	[1] 17,405.85	*5,080.98*	----------
1919	July 1, 1918	17,405.85	[5] 90,207.75	*72,801.90*	----------
1920	Mar. 1, 1921	*164,406.40*	[9] 6,120,962.55	*6,285,368.95*	----------
1921	May 18, 1920	10,120,962.55	271,313.51	9,849,649.04	----------
1922	July 12, 1921	137,815,303.00	3,915,072.80	133,900,230.20	----------
1923	July 1, 1922	121,745,426.00	7,557,750.61	113,789,626.11	398,049.28
1924	Jan. 22, 1923	121,446,892.00	----------	113,712,744.30	7,734,147.70
1925	May 28, 1924	117,000,000.00	----------	115,964,106.77	1,035,893.23
		507,996,082.64	17,976,279.38	480,851,713.05	9,168,090.21
PROVISIONS, NAVY:					
1915–16	----------	----------	*5.60*	5.60	----------
1917–18	Mar. 1, 1921	2,346.85	[1] 4,413.10	*2,066.25*	----------
1917–19	July 1, 1918	4,413.10	----------	----------	----------
	Mar. 1, 1921	204.16	----------	4,617.26	----------
1919–20	-----do-----	1,364.88	----------	1,364.88	----------
1920–21	----------	----------	[6] 500,000.00	----------	----------
	----------	----------	1,234.18	*501,234.18*	----------

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of fact	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
PROVISIONS, NAVY—Contd.					
1921-22	Balance July 1, 1921.	$795,552.02	$242,002.68	$553,549.34	
1922-23	July 12, 1921	21,925,922.50	234,900.46	21,691,022.04	
1923-24	July 1, 1922	19,499,355.00		19,343,221.30	$156,133.70
1924-25	Jan. 22, 1923	16,424,000.00	[13] 11,500,000.00	4,116,096.30	807,903.70
1925	May 28, 1924	9,590,000.00			
	do	11,500,000.00		19,268,315.90	1,821,684.10
		79,743,158.51	12,482,544.82	64,474,892.19	2,785,721.50
MAINTENANCE, SUPPLIES, AND ACCOUNTS:					
1917-18	Mar. 1, 1921	588.61	[1] 47.41	541.20	
1919	July 1, 1918	47.41	[5] *1,087.84*	1,135.25	
1920			[5] *943.68*	943.68	
1921			[6] 100,000.00		
			84.82	*100,084.82*	
1922	July 12, 1921	9,000,000.00	673,065.09	8,326,934.91	
1923	July 1, 1922	7,054,260.00	153,076.76	6,901,183.24	
1924	Jan. 22, 1923	6,865,000.00		6,829,850.32	35,149.68
1925	May 28, 1924	9,800,000.00		8,985,319.46	814,680.54
		32,719,896.02	924,242.56	30,945,823.24	849,830.22
FREIGHT, SUPPLIES, AND ACCOUNTS:					
1917	Mar. 1, 1921	5,043.52	(1)	5,043.52	
1917-18	do	6,647.11	168.00	6,479.11	
1919	July 1, 1918	168.00			
	Mar. 1, 1921	22,123.40		22,291.40	
1920	do	8,254.06		8,254.06	
1921	Mar. 20, 1922	518,500.00	13,235.39	505,264.61	
1922	July 12, 1921	4,000,000.00			
	Mar. 20, 1922	1,600,000.00	1,992,728.02	3,607,271.98	
1923	July 1, 1922	4,000,000.00	2,341,043.91	1,659,064.59	*108.50*
1924	Jan. 22, 1923	3,250,000.00		2,608,816.85	641,183.15
		13,410,736.09	4,347,175.32	8,422,486.12	641,074.65
FUEL AND TRANSPORTATION:					
1916	Mar. 1, 1921	642.00		642.00	
1917-18	do	5,072.98		5,072.98	
1919	do	20,334.02		20,334.02	
1920	do	2,376.85		2,376.85	
1921			[6] 2,000,000.00		
			14.00	*2,000,014.00*	
1922	July 12, 1921	17,500,000.00			
	Mar. 20, 1922	6,282,685.33	955,697.37	22,826,987.96	
1923	July 1, 1922	16,000,000.00	4,216,322.45	11,783,677.55	
1924	Jan. 22, 1923	16,000,000.00		13,642,263.05	2,357,736.95
1925	May 28, 1924	14,500,000.00		13,653,126.87	846,873.13
		70,311,111.18	7,172,033.82	59,934,467.28	3,204,610.08
NAVAL ACADEMY DAIRY, ANNAPOLIS, MD. (REIMBURSABLE):					
(1922)				*50.76*	
(1924)			50.76		
CLOTHING AND SMALL STORES FUND:					
(1922)	Balance July 1, 1921.	393,993.24			
	Mar. 20, 1922	38,699,151.50			
	Mar. 3, 1843, and subsequent.	[3] 961,296.61		35,945,608.88	
(1923)	do	112,802.75		*1,784,691.32*	
(1924)	do	4,055,548.06	[4] 2,000,000.00	6,441,988.22	
(1925)	do	8,192,201.63		10,055,728.58	2,756,359.43
		55,414,993.79	2,000,000.00	50,658,634.36	2,756,359.43

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
SHIPS STORES PROFITS, NAVY (SPECIAL FUND):					
(1922)	Balance July 1, 1921.	$338,985.54		$119,060.06	
(1923)	May 13, 1908	166,350.41		110,767.98	
(1924)	do	166,507.37		269,319.46	
(1925)	do	577,498.09		501,247.87	$248,946.04
		1,249,341.41		1,000,395.37	248,946.04
RESERVE MATERIAL, NAVY:					
(1922)	Balance July 1, 1921	326,809.96		300,821.39	
(1923)				*26,459.38*	
(1924)				*684,332.98*	
(1925)				*18,143.27*	754,924.20
		326,809.96		*428,114.24*	754,924.20
NAVAL SUPPLY ACCOUNT FUND:					
(1922)	Balance July 1, 1921.	67,213,750.25			
	Mar. 1, 1921	40,070,708.41		6,057,248.61	
(1923)				24,495,788.55	
(1924)	Mar. 1, 1921	*109,102.44*	[4] $33,000,000.00	858,299.37	
(1925)	do	204,930.96	[4] 22,500,000.00		
			[11] 100,000.00	1,392,690.12	18,976,260.53
		107,380,287.18	55,600,000.00	32,804,026.65	18,976,260.53
SALARIES, BUREAU OF SUPPLIES AND ACCOUNTS:					
1923	July 1, 1922	82,950.00	2,783.70	80,166.30	
1924	Jan. 22, 1923	715,000.00		713,977.84	1,022.16
1925	May 28, 1924	840,000.00		833,460.31	6,539.69
		1,637,950.00	2,783.70	1,627,604.45	7,561.85
NAVAL WORKING FUND:					
(1925)	do	100,000.00		*4,190,575.16*	4,290,575.16
MEDICAL DEPARTMENT:					
1917–18			[1] 4,328.05	*4,328.05*	
1919	July 1, 1918	4,328.05	[5] 8,431.11	*4,103.06*	
1921			[6] 400,000.00		
			598.38	*400,598.38*	
1922	July 12, 1921	2,920,000.00	[6] 100,000.00		
			458,759.43	2,361,240.57	
1923	July 1, 1922	2,400,000.00	179,295.52	2,220,704.48	
1924	Jan. 22, 1923	1,760,000.00		1,636,409.85	123,590.15
1925	May 28, 1924	1,840,000.00		1,755,042.73	84,957.27
		8,924,328.05	1,151,412.49	7,564,368.14	208,547.42
CONTINGENT, BUREAU OF MEDICINE AND SURGERY:					
1917–18	Mar. 1, 1921	6.30		6.30	
1919			*[5] 9.00*	9.00	
1922	July 12, 1921	500,000.00	45,747.41	454,252.59	
1923	July 1, 1922	435,000.00	45,960.74	389,039.26	
1924	Jan. 22, 1923	365,000.00		324,624.05	40,375.95
1925	May 28, 1924	395,000.00		271,775.51	123,224.49
		1,695,006.30	91,699.15	1,439,706.71	163,600.44
BRINGING HOME REMAINS OF OFFICERS, ETC., NAVY DEPARTMENT:					
1920–21			[6] 295,156.25	*295,156.25*	
1921–22	Balance July 1, 1921.	237,429.48	[6] 89,427.00		
			90,879.34	57,123.14	
1923	July 1, 1922	65,000.00	19,808.41	45,191.59	
1924	Jan. 22, 1923	40,000.00		39,997.52	2.48
		342,429.48	495,271.00	*152,844.00*	2.48

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
CARE OF THE DEAD:					
1925	May 28, 1924	$40,000.00		$31,252.08	$8,747.92
CARE OF HOSPITAL PATIENTS					
1919			[5] *$908.49*	908.49	
1922	July 12, 1921	100,000.00	27,042.00	72,958.00	
1923	July 1, 1922	85,000.00	3,427.71	81,572.29	
1924	Jan. 22, 1923	100,000.00		74,174.88	25,825.12
		285,000.00	29,561.22	229,613.66	25,825.12
NAVAL HOSPITAL FUND:					
(1922)	Balance July 1, 1921.	314,089.04			
	Mar. 3, 1909	3,450,000.00			
	Mar. 2, 1799 and subsequent.	1,673,740.11		4,553,488.97	
(1923)	Mar. 2, 1799 and subsequent.	871,083.44			
	Mar. 3, 1909	2,000,000.00		610,840.40	
(1924)	Mar. 2, 1799 and subsequent.	273,753.80		*78,377.30*	
(1925)	Mar. 2, 1799 and subsequent.	816,342.57			
	Mar. 3, 1909	1,500,000.00		1,619,229.81	4,193,827.08
		10,899,008.96		6,705,181.88	4,193,827.08
SALARIES, BUREAU OF MEDICINE AND SURGERY:					
1923	July 1, 1922	24,150.00	858.84	23,291.16	
1924	Jan. 22, 1923	60,000.00		59,756.14	243.86
1925	May 28, 1924	72,620.00		72,615.50	4.50
		156,770.00	858.84	155,662.80	248.36
AVIATION, NAVY:					
1917			11.20	*11.20*	
1917–18	Mar. 1, 1921	2,353.28	[1] 27.11	2,326.17	
1919	July 1, 1918	27.11	[8] 196,413.75	*196,386.64*	
1920	Mar. 1, 1921	2,374.38	[10] 2,348,816.94	*2,346,442.56*	
1921			[10] 2,500,709.29		
			3,629.20	*2,504,338.49*	
1922	July 12, 1921	19,043,575.00	[6] 2,200,000.00		
			2,650,347.15	14,193,227.85	
1923	July 1, 1922	14,683,950.00	[15] 265,000.00		
			319,185.88	14,099,764.12	
1924	Jan. 22, 1923	14,647,174.00	[16] 109,335.00	13,310,837.25	1,227,001.75
1925	May 28, 1924	15,150,000.00			
	Dec. 5, 1924	265,000.00		7,441,618.64	7,973,381.36
		63,794,453.77	10,593,475.52	44,000,595.14	9,200,383.11
ACQUISITION OF SITES, AVIATION, NAVY:					
(1925)	Mar. 4, 1925	109,335.00		58,335.00	51,000.00
SALARIES, BUREAU OF AERONAUTICS:					
1923	July 1, 1922	119,610.00	2,901.28	116,708.72	
1924	Jan. 22, 1923	146,386.00		143,267.72	3,118.28
1925	Mar. 4, 1925	178,500.00		178,014.50	485.50
		444,496.00	2,901.28	437,990.94	3,603.78
PAY, MARINE CORPS:					
1901	Mar. 1, 1921	180.01		180.01	
1916			*12.00*	12.00	
1917	Mar. 1, 1921	968.43		968.43	
1917–18	do	16,403.33	[1] 2,560.33	13,843.00	
1919	July 1, 1918	2,560.33	[5] *26,816.49*	29,376.82	
1920	Mar. 1, 1921	3,436.33	[9] 1,000,000.00	*996,563.67*	
1921			903.76	*903.76*	

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
PAY, MARINE CORPS—Con.					
1922	July 12, 1921	$18,043,891.90	[6] $200,000.00		
			812,373.38	$17,031,518.52	
1923	July 1, 1922	17,672,599.00	1,177,653.91	16,509,346.04	*$14,400.96*
1924	Jan. 22, 1923	16,891,005.00		15,510,659.28	1,380,345.72
1925	May 28, 1924	16,482,639.00		15,499,338.43	983,300.57
		69,113,683.33	3,166,662.89	63,597,775.10	2,349,245.34
MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS:					
1914	Mar. 1, 1921	159.95		159.95	
1915	do	122.50		122.50	
1916	do	6.65		6.65	
1917	do	515.63		515.63	
1917–18	do	3,471.31	[1] 14.00	3,457.31	
1919	July 1, 1918	14.00	[5] *1,782.35*	1,796.35	
1920			[9] 3,000,000.00		
			[5] *837.11*	*2,999,162.89*	
1921			722.24	*722.24*	
1922	July 12, 1921	9,656,450.00	875,130.02	8,781,319.98	
1923	July 1, 1922	8,474,149.00	836,490.70	7,637,540.25	118.05
1924	Jan. 22, 1923	8,604,943.00		8,264,362.80	340,580.20
		26,739,832.04	4,709,737.50	21,689,396.29	340,698.25
GENERAL EXPENSES, MARINE CORPS:					
1925	May 28, 1924	8,911,800.00		6,488,285.66	2,423,514.34
PAY OF CIVIL EMPLOYEES, MARINE CORPS:					
1925	do	170,861.00			
	Dec. 6, 1924	840.00		171,145.02	555.98
		171,701.00		171,145.02	555.98
CONTINGENT, MARINE CORPS:					
1908	Mar. 1, 1921	10.85		10.85	
1910	do	102.90		102.90	
1911	do	199.15		199.15	
1912	do	121.30		121.30	
1913	do	1,556.60		1,556.60	
		1,990.80		1,990.80	
RESERVE SUPPLIES, MARINE CORPS:					
(1922)	Balance July 1, 1921.	7,436,262.98	[6] 5,000,000.00	1,062,994.30	
(1924)				11,962.05	
(1925)					1,361,306.63
		7,436,262.98	5,000,000.00	1,074,956.35	1,361,306.64
BARRACKS AND QUARTERS, MARINE CORPS:					
(1922)	Balance July 1, 1921.	35.00		105.00	
(1923)				51.94	
(1924)				*121.94*	
		35.00		35.00	
PAY, MISCELLANEOUS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	705.38			
	Dec. 15, 1921	2,865.11			
	Mar. 20, 1922	2,299.94		6,066.84	
(1923)	July 1, 1922	2,325.92			
	Sept. 22, 1922	929.55			
	Jan. 22, 1923	1,958.59		5,330.99	
(1924)	Apr. 2, 1924	464.51		151.17	
(1925)	Dec. 5, 1924	652.91			
	do	17.70			
	Jan. 20, 1925	26.11			
	Mar. 4, 1925	1,953.15		2,649.87	
		14,198.87		14,198.87	

See footnotes at end of statement.

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
CARE OF LEPERS, ETC., ISLAND OF GUAM (CERTIFIED CLAIMS):					
(1923)	Jan. 22, 1923	$137.17		$137.17	
NATIONAL SECURITY AND DEFENSE (CERTIFIED CLAIMS):					
(1923)	July 1, 1922	38.75		38.75	
INCREASED COMPENSATION, CIVILIAN EMPLOYEES, NAVAL ESTABLISHMENT (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	16.88			
	Dec. 15, 1921	73.71		90.59	
(1923)	July 1, 1922	59.27			
	Sept. 22, 1923	296.18			
	Jan. 22, 1923	84.27		439.72	
(1924)	Apr. 2, 1924	13.34		13.34	
		543.65		543.65	
INVESTIGATION OF FUEL OIL, ETC. (CERTIFIED CLAIMS):					
(1925)	Jan. 20, 1925	1,730.35		1,730.35	
MAINTENANCE, BUREAU OF YARDS AND DOCKS (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	712.25			
	Mar. 2, 1922	58.10		770.35	
(1923)	July 1, 1922	158.72			
	Jan. 22, 1923	615.40		774.12	
(1924)	Apr. 2, 1924	8.05		8.05	
(1925)	Dec. 5, 1924	37.33			
	Mar. 4, 1925	809.61		846.94	
		2,399.46		2,399.46	
EMERGENCY EXPENSES, BUREAU OF YARDS AND DOCKS (CERTIFIED CLAIMS):					
(1923)	Jan. 22, 1923	2,032.15		2,032.15	
CONTINGENT, BUREAU OF NAVIGATION (CERTIFIED CLAIMS):					
(1922)	Mar. 20, 1922	10.48		11.44	
(1923)	July 1, 1922	5.65		5.65	
(1924)				*.96*	
(1925)	Dec. 5, 1924	1.31		1.31	
		17.44		17.44	
TRANSPORTATION, BUREAU OF NAVIGATION (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	2,886.30			
	Dec. 15, 1921	24,558.24			
	Mar. 20, 1922	20,334.88		38,254.32	
(1923)	July 1, 1922	20,109.17			
	Sept. 22, 1922	12 091.92			
	Jan. 22, 1923	10,194.19		57,804.23	
(1924)	Apr. 2, 1924	6,130.55		*1,396.93*	
(1925)	Dec. 5, 1924	2,008.01			
	Jan. 20, 1925	125.35			
	Mar. 4, 1925	4,198.42		6,331.78	$1,643.63
		102,637.03		100,993.40	1,643.63
RECRUITING, BUREAU OF NAVIGATION (CERTIFIED CLAIMS):					
(1922)				37.83	
(1923)	July 1, 1922	2.40		2.40	
(1924)				*37.83*	
		2.40		2.40	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
ARMING AND EQUIPPING NAVAL MILITIA (CERTIFIED CLAIMS):					
(1923)	July 1, 1922	$184.06	----------	$184.06	----------
GUNNERY AND ENGINEERING EXERCISES (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	20.00	----------	20.00	----------
(1925)	Mar. 4, 1925	5.00	----------	5.00	----------
		25.00	----------	25.00	----------
OUTFITS ON FIRST ENLISTMENT (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	424.44	----------	----------	----------
	Dec. 15, 1921	2,028.36	----------	----------	----------
	Mar. 20, 1922	1,716.89	----------	4,169.69	----------
(1923)	July 1, 1922	3,036.21	----------	----------	----------
	Sept. 22, 1922	935.96	----------	----------	----------
	Jan. 22, 1923	2,493.85	----------	6,459.70	----------
(1925)	----------	----------	$6.32	----------	----------
		10,635.71	6.32	10,629.39	----------
INSTRUMENTS AND SUPPLIES (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	25.00	----------	----------	----------
	Dec. 15, 1921	5,703.31	----------	----------	----------
	Mar. 20, 1922	538.24	----------	6,266.55	----------
(1923)	July 1, 1922	1,921.91	----------	----------	----------
	Sept. 22, 1922	167.00	----------	2,088.91	----------
(1925)	Jan. 20, 1925	35.84	----------	----------	----------
	Mar. 4, 1925	1,119.97	----------	1,155.81	----------
		9,511.27	----------	9,511.27	----------
NAVAL WAR COLLEGE (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	13.65	----------	13.65	----------
(1923)	July 1, 1922	1.27	----------	1.27	----------
		14.92	----------	14.92	----------
ORGANIZING THE NAVAL RESERVE FORCE (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	86.55	----------	86.55	----------
(1925)	Dec. 5, 1924	9.96	----------	----------	----------
	Jan. 20, 1925	5,067.29	----------	----------	----------
	Mar. 4, 1925	367.88	----------	5,445.13	----------
		5,531.68	----------	5,531.68	----------
SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE (CERTIFIED CLAIMS):					
(1922)	Mar. 20, 1922	247.65	----------	247.65	----------
(1923)	July 1, 1922	9.25	----------	9.25	----------
		256.90	----------	256.90	----------
RECREATION FOR ENLISTED MEN, NAVY (CERTIFIED CLAIMS):					
(1925)	Mar. 4, 1925	98.20	----------	98.20	----------
ORDNANCE AND ORDNANCE STORES (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	138,816.36	----------	----------	----------
	Mar. 20, 1922	1,592.32	----------	140,408.68	----------
(1923)	July 1, 1922	13,374.76	----------	----------	----------
	Sept. 22, 1922	35.84	----------	----------	----------
	Jan. 22, 1923	5,490.96	----------	18,901.56	----------
(1924)	Apr. 2, 1924	2,687.41	----------	2,687.41	----------
(1925)	Mar. 4, 1925	43,803.41	----------	43,803.41	----------
		205,801.06	----------	205,801.06	----------

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
NAVAL GUN FACTORY, WASHINGTON, D. C. (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	$1,650.00			
	Mar. 20, 1922	1,280.37		$2,930.37	
(1923)	July 1, 1922	12.50		12.50	
		2,942.87		2,942.87	
EXPERIMENTS, BUREAU OF ORDNANCE (CERTIFIED CLAIMS):					
(1923)	Jan. 22, 1923	5,006.25		5,006.25	
(1924)	Apr. 2, 1924	2,235.35		2,235.35	
		7,241.60		7,241.60	
AMMUNITION FOR VESSELS (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	5,033.75			
	Mar. 20, 1922	177.40		5,211.15	
(1923)	July 1, 1922	73.47		73.47	
		5,284.62		5,284.62	
NEW BATTERIES FOR SHIPS OF THE NAVY (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	669.16		669.16	
RESERVE ORDNANCE SUPPLIES (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	82,517.24			
	Mar. 20, 1922	79,649.70		162,166.94	
(1923)	July 1, 1922	20,602.51			
	Jan. 22, 1923	102.46		20,704.97	
		182,871.91		182,871.91	
CONSTRUCTION AND REPAIR (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	4,187.05			
	Mar. 20, 1922	5,670.16		9,857.21	
(1923)	July 1, 1922	354.95			
	Sept. 22, 1922	410.83			
	Jan. 22, 1923	519.96		1,285.74	
(1924)	Apr. 2, 1924	205.01		205.01	
(1925)	Mar. 4, 1925	30.71		30.71	
		11,378.67		11,378.67	
ENGINEERING, BUREAU OF ENGINEERING (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	1,383.08			
	Dec. 15, 1921	14,983.08			
	Mar. 20, 1922	6,206.57		22,572.73	
(1923)	July 1, 1922	3,115.57			
	Sept. 22, 1922	2,674.49			
	Jan. 22, 1923	2,041.31		7,831.37	
(1924)	Apr. 2, 1924	9,739.00		9,739.00	
(1925)	Dec. 5, 1924	8.53			
	Mar. 4, 1925	19,307.90		19,316.43	
		59,459.53		59,459.53	
PAY OF THE NAVY (CERTIFIED CLAIMS):					
(1922)	Balance July 1, 1921	14.00			
	Aug. 24, 1921	19,963.42			
	Dec. 15, 1921	53,902.40			
	Mar. 20, 1922	101,800.96	$126.53	175,451.79	
(1923)	July 1, 1922	116,093.30			
	Sept. 22, 1922	46,840.61			
	Jan. 22, 1923	84,228.75		246,272.76	
(1924)	Apr. 2, 1924	19,903.21		19,730.36	
(1925)	Dec. 5, 1924	2,997.28			
	Jan. 20, 1925	2,152.51			
	Mar. 4, 1925	14,108.02		19,212.29	$1,210.73
		462,004.46	126.53	460,667.20	1,210.73

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
PROVISIONS, NAVY (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	$414.23			
	Dec. 15, 1921	1,623.17			
	Mar. 20, 1922	2,186.91		$4,224.31	
(1923)	July 1, 1922	1,711.41			
	Sept. 22, 1922	1,115.44			
	Jan. 22, 1923	2,226.76		5,018.63	
(1924)	Apr. 2, 1924	614.43		614.43	
(1925)	Mar. 4, 1925	1,867.40	$34.98	1,867.40	
		11,759.75	34.98	11,724.77	
MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	218.25			
	Dec. 15, 1921	166.00			
	Mar. 20, 1922	814.64	19.70	1,179.19	
(1923)	July 1, 1922	995.82			
	Sept. 22, 1922	269.83			
	Jan. 22, 1923	201.17		1,466.82	
(1924)	Apr. 2, 1924	45.60		45.60	
(1925)	Mar. 4, 1925	97.80		97.80	
		2,809.11	19.70	2,789.41	
FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	96,355.90			
	Dec. 15, 1921	95,433.74			
	Mar. 20, 1922	141,451.51		409,387.04	
(1923)	July 1, 1922	49,301.27			
	Sept. 22, 1922	31,888.29			
	Jan. 22, 1923	14,790.22		44,718.40	
(1924)	Apr. 2, 1924	12,745.60		*12,832.44*	
(1925)	Dec. 5, 1924	2,236.61			
	Jan. 20, 1925	2,699.58			
	Mar. 4, 1925	7,087.80	686.06	12,031.46	
		453,990.52	686.06	453,304.46	
FUEL AND TRANSPORTATION (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	54.00			
	Dec. 15, 1921	14,266.75			
	Mar. 20, 1922	1,349.45		15,622.20	
(1923)	July 1, 1922	2,381.87			
	Sept. 22, 1922	6,700.65			
	Jan. 22, 1923	2.00		9,084.52	
(1924)	Apr. 2, 1924	16.66		16.66	
(1925)	Mar. 4, 1925	479.69	48.00	479.69	
		25,251.07	48.00	25,203.07	
MEDICAL DEPARTMENT, BUREAU OF MEDICINE AND SURGERY CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	7,814.68		7,814.68	
(1923)	Sept. 22, 1922	2.33			
	Jan. 22, 1923	489.93		492.26	
(1925)	Dec. 5, 1924	3,169.95		3,169.95	
		11,476.89		11,476.89	
CONTINGENT, BUREAU OF MEDICINE AND SURGERY (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	1,061.49			
	Mar. 20, 1922	4,703.34		5,764.83	
(1923)	July 1, 1923	340.68			
	Sept. 22, 1922	207.50		548.18	
(1925)	Mar. 4, 1925	40.00		40.00	
		6,353.01		6,353.01	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
BRINGING HOME REMAINS OF OFFICERS, ETC. (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	$32.84			
	Mar. 20, 1922	274.58		$372.00	
(1923)	Sept. 22, 1922	430.80		430.80	
(1924)				*64.58*	
		738.22		738.22	
CARE OF HOSPITAL PATIENTS (CERTIFIED CLAIMS):					
(1922)	Dec. 15, 1921	1,230.00			
	Mar. 20, 1922	82.69		1,312.69	
(1923)	July 1, 1922	45.45		45.45	
		1,358.14		1,358.14	
AVIATION, NAVY (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	2,065.79			
	Dec. 15, 1921	45,086.23			
	Mar. 20, 1922	23,563.98		70,716.00	
(1923)	July 1, 1922	54,941.19			
	Sept. 22, 1922	3,690.59			
	Jan. 22, 1923	11,131.77		69,763.55	
(1924)	Apr. 2, 1924	3,849.82		3,849.82	
(1925)	Dec. 5, 1924	2,825.37			
	Jan. 20, 1925	92,994.39			
	Mar. 4, 1925	206,138.78		301,958.54	
		446,287.91		446,287.91	
PAY, MARINE CORPS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	3,603.95			
	Dec. 15, 1921	5,986.06			
	Mar. 20, 1922	6,075.03		15,665.04	
(1923)	July 1, 1922	8,154.47			
	Sept. 22, 1922	3,468.18			
	Jan. 22, 1923	6,038.67		17,661.32	
(1924)	Apr. 2, 1924	143.46		143.46	
(1925)	Dec. 5, 1924	140.36			
	Jan. 20, 1925	460.14			
	Mar. 4, 1925	3,049.62		3,650.12	
		37,119.94		37,119.94	
MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	3,044.10			
	Dec. 15, 1921	2,880.89			
	Mar. 20, 1922	5,885.95	$3.00	11,807.94	
(1923)	July 1, 1922	3,612.04			
	Sept. 22, 1923	1,469.18			
	Jan. 22, 1923	1,668.92		6,750.14	
(1924)	Apr. 2, 1924	1,199.36		1,199.36	
(1925)	Dec. 5, 1924	284.09			
	Jan. 20, 1925	1,007.89			
	Mar. 4, 1925	347.31		1,639.29	
		21,399.73	3.00	21,396.73	
CONTINGENT, MARINE CORPS (CERTIFIED CLAIMS):					
(1922)	Aug. 24, 1921	2,101.05			
	Dec. 15, 1921	1,436.40			
	Mar. 20, 1922	2,414.65		5,952.10	
(1923)	July 1, 1922	1,085.15			
	Sept. 22, 1922	49.00			
	Jan. 22, 1923	1,859.90		2,994.05	
(1924)	Apr. 2, 1924	24.43			
(1925)				24.43	
		8,970.58		8,970.58	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
INDEMNITY FOR LOST PROPERTY, NAVAL SERVICE (CERTIFIED CLAIMS):					
(1922)	Balance July 1, 1921.	$249.00			
(1925)					$249.00
BOUNTY FOR DESTRUCTION OF ENEMY VESSELS (CERTIFIED CLAIMS):					
(1922)	Balance July 1, 1921.	.56			
(1925)					.56
PAY OF THE NAVY DEPOSIT FUND:					
(1922)	Balance July 1, 1921.	218,708.56			
	Feb. 9, 1889	249,218.39		$205,898.97	
(1923)	do	129,332.79		151,908.09	
(1924)	do	69,421.90		79,168.58	
(1925)	do	77,812.16		97,434.09	210,084.07
		744,493.80		534,409.73	210,084.07
PAY, MARINE CORPS DEPOSIT FUND:					
(1922)	Balance July 1, 1921.	460,767.58			
	June 29, 1906	1,005,127.56		840,355.09	
(1923)	do	690,964.74		618,855.18	
(1924)	do	306,725.16		574,312.77	
(1925)	do	403,813.00		526,905.15	306,969.85
		2,867,398.04		2,560,428.19	306,969.85
NAVY PENSION FUND, PRINCIPAL (TRUST FUND):					
(1922)	Balance July 1, 1921.	14,780,879.08			
	June 30, 1914	7,188.13		*3,451.38*	
(1923)	do	8,889.92		*3,200.29*	
(1924)	do	7,338.54		3,051.85	
(1925)	do	6,746.72		1,515.02	14,813,127.19
		14,811,042.39		*2,084.80*	14,813,127.19
PRIZE MONEY TO CAPTORS:					
(1922)	Balance July 1, 1921.	429,315.76			
(1923)				7.57	
(1924)				6.64	
(1925)				21.49	429,280.06
		429,315.76		35.70	429,280.06
PRIZE MONEY TO CAPTORS, SPANISH WAR:					
(1922)	Balance July 1, 1921.	27,701.28		685.87	
(1923)				263.44	
(1924)				28.08	
(1925)				14.83	26,709.06
		27,701.28		992.22	26,709.06
PRIZE MONEY, BATTLE OF MANILA BAY:					
(1922)	Balance July 1, 1921.	32,514.92		101.58	
(1925)					32,413.34
BOUNTY FOR DESTRUCTION OF ENEMY VESSELS:					
(1922)	Balance July 1, 1921.	52,351.52			
(1923)				71.44	
(1925)					52,280.08

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
MEDALS FOR OFFICERS AND MEN, NAVY AND MARINE CORPS, WAR WITH SPAIN:					
(1922)	Balance July 1, 1921.	$1,953.25		$1,652.00	
(1923)				300.25	
(1924)			$1.00		
		1,953.25	1.00	1,952.25	
PAYMENT OF JAPANESE AWARD:					
(1922)	Balance July 1, 1921.	28,492.18			
(1925)					$28,492.18
PAYMENT OF COURT COSTS TO SAMUEL J. SMITH:					
(1923)	July 1, 1922	45.20		45.20	
PAYMENT OF CERTAIN SERVICES ARISING UNDER THE NAVY DEPARTMENT:					
(1922)	Balance July 1, 1921.	21.15			
(1925)					21.15
PAYMENT OF CERTAIN CLAIMS ARISING UNDER THE NAVY DEPARTMENT:					
(1922)	Balance July 1, 1921.	2,372.59			
(1925)					2,372.59
PAYMENT TO MRS. T. E. S. CATES:					
(1922)	Balance July 1, 1921.	63.00		62.80	
(1923)				.20	
		63.00		63.00	
PAYMENT TO BRADY & GICE (INC.):					
(1922)	Mar. 20, 1922	1,749.55		1,749.55	
PAYMENT TO DONA CONCEPCION CRUZ:					
(1922)	do	350.00			
(1924)				350.00	
CLAIMS REPORTED BY COURT OF CLAIMS UNDER BOWMAN AND TUCKER ACT:					
(1922)	Balance July 1, 1921.	649.22			
(1925)					649.22
CLAIMS FOR DAMAGES, ACT OF DEC. 28, 1922:					
(1923)	Mar. 4, 1923	25,195.15		30,655.75	
(1924)				*6,173.52*	
(1925)	Mar. 4, 1925	42,415.69		38,202.57	4,926.04
		67,610.84		62,684.80	4,926.04
CLAIMS FOR DAMAGES BY COLLISIONS WITH NAVAL VESSELS:					
(1922)	Balance July 1, 1921.	5,826.26			
	Dec. 15, 1921	7,413.26			
	Mar. 20, 1922	5,163.26		17,997.57	
(1923)	July 1, 1922	3,995.06			
	Jan. 22, 1923	6,969.46			
	Mar. 4, 1923	27,336.30		28,478.51	
(1924)				9,822.31	
(1925)	Dec. 5, 1924	64,482.20		64,482.20	405.21
		121,185.80		120,780.59	405.21

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
JUDGMENTS, BOUNTY FOR DESTRUCTION OF ENEMIES' VESSELS:					
(1922)	Balance July 1, 1921.	$59,805.86		$232.63	
(1923)				158.15	
(1924)				46.41	
(1925)				66.87	$59,301.80
		59,805.86		504.06	59,301.80
JUDGMENTS, COURT OF CLAIMS, NAVY:					
(1922)	Balance July 1, 1921.	11,088.50			
	Dec. 15, 1921	276,020.41			
	Mar. 20, 1922	138,586.46		415,485.55	
(1923)	July 1, 1922	79,804.81			
	Sept. 22, 1922	119,226.71			
	Jan. 22, 1923	40,283.78			
	Mar. 4, 1923	1,561.02		240,876.32	
(1924)	Apr. 2, 1924	547,837.05	$2,760.42	430,578.46	
(1925)	Dec. 5, 1924	830,029.80			
	Jan. 20, 1925	119,487.69			
	Mar. 4, 1925	27,171.85		295,608.55	805,788.78
		2,191,098.08	2,760.42	1,382,548.88	805,788.78
JUDGMENTS, U. S. COURTS, NAVY:					
(1922)	June 16, 1921	43,602.28			
	Aug. 24, 1921	1,848.70			
	Mar. 20, 1922	12,441.46		57,892.44	
(1923)	----do----	1,120.02			
	Aug. 24, 1921	7,327.72			
	July 1, 1922	118,864.68			
	Sept. 22, 1922	10,190.10			
	Jan. 22, 1923	20,000.00		157,502.52	
(1924)	Apr 2, 1924	578,491.87		397,186.00	
(1925)	Mar 1, 1921	3,041.72			
	Dec. 5, 1924	14,612.32			
	Jan. 20, 1925	149,889.08			
	Mar. 4, 1925	85,162.15		407,598.42	26,412.72
		1,046,592.10		1,020,179.38	26,412.72
JUDGMENT OF CHANCERY COURT OF THE STATE OF DELAWARE:					
(1924)	June 11, 1864	14,726.52		14,726.52	
JUDGMENTS, OWNERS, ETC., BARKENTINE, MABLE I. MEYERS:					
(1922)	Balance July 1, 1921.	1,134.33			
(1923)				75.45	
(1925)					1,058.88
REIMBURSEMENT TO ENLISTED MEN, NAVY, FOR CLOTHING AND BEDDING DESTROYED:					
(1922)	Balance July 1, 1921.	147.51			
(1925)					147.51
REIMBURSEMENTS TO INTERNATIONAL MERCANTILE CO.					
(1922)	Balance July 1, 1921.	121.52		121.52	
REIMBURSEMENT TO PITTSBURGH-DES MOINES STEEL CO.:					
(1923)	July 1, 1922	2,167.24		2,167.24	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
REIMBURSEMENT TO CERTAIN PERSONS FOR LOSS OF PRIVATE FUNDS WHILE PATIENTS AT U. S. NAVAL HOSPITAL, NAVAL OPERATING BASE, HAMPTON ROADS, VA.:					
(1923)	Feb. 2, 1923	$1,127.00		$477.00	
(1925)				545.00	$105.00
		1,127.00		1,022.00	105.00
REIMBURSEMENT TO GUS POTTER:					
(1923)	Mar. 4, 1923	113.00			
(1925)					113.00
REIMBURSEMENT TO NETHERLANDS GOVERNMENT:					
(1923)	Mar. 4, 1923	425.00		388.41	
(1925)			$36.59		
REFUND OF STOLEN DEPOSITS OF ENLISTED MEN OF THE NAVY AND MARINE CORPS:					
(1922)	Balance July 1, 1921.	648.62			
(1925)			648.62		
REFUND TO JAMES W. ELWELL & CO.:					
(1922)	Balance July 1, 1921.	163.79		163.79	
REFUND TO PANAMA RAILROAD CO.:					
(1925)	Dec. 5, 1924	4,890.67		4,890.67	
PAYMENT TO GOVERNMENT OF CANADA:					
(1925)	Mar. 4, 1925	4,470.76		4,470.76	
RELIEF OF OWNERS OF AMERICAN SCHOONER WALTER B. CHESTER:					
(1922)	Balance July 1, 1921.	269.64			
(1925)					269.64
RELIEF OF DE BARBIERI & CO. OF VALPARAISO, CHILE:					
(1922)	Balance July 1, 1921.	2,470.00		2,470.00	
RELIEF OF PERRY E. BORCHERS:					
(1922)	----do----	346.45			
(1925)					346.45
RELIEF OF SIX-MINUTE FERRY CO.:					
(1922)	Feb. 18, 1922	1,500.00		1,500.00	
RELIEF OF LOUISA FROW:					
(1922)	Mar. 1, 1922	1,200.00		1,200.00	
RELIEF OF JOHN HICKSON, JR.:					
(1922)	----do----	1,075.00		1,075.00	
RELIEF OF GEORGE CISZEK AND ANNA CISZEK:					
(1922)	Apr. 28, 1922	1,500.00		1,500.00	
RELIEF OF ED. THOMAS AND PAULINE THOMAS:					
(1923)	June 17, 1922	2,000.00		2,000.00	

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
RELIEF OF JESSE GOODIN: (1923)	June 17, 1922	$3,000.00		$3,000.00	
RELIEF OF WELCH FAIRCHILD & CO.: (1923)	Sept. 18, 1922	4,752.63		4,752.63	
RELIEF OF OWNERS OF VESSEL, MARIE ARTAU: (1923)	do	1,901.35		1,901.35	
RELIEF OF CORTEZ OIL CO.: (1923)	do	3,500.00		3,500.00	
RELIEF OF F. R. MESSENGER: (1923)	do	1,500.00		1,500.00	
RELIEF OF JAMES E. CONNORS: (1923)	do	2,500.00		2,500.00	
RELIEF OF MARY ANN SHIPPING CO.: (1923)	do	2,500.00		2,500.00	
RELIEF OF REAR ADMIRAL LIVINGSTON HUNT: (1923)	do	57.27		57.27	
RELIEF OF MRS. E. H. JACKSON: (1923)	Sept. 21, 1922	43.00		43.00	
RELIEF OF FOREST R. BLACK: (1923)	Aug. 24, 1922	142.00		142.00	
RELIEF OF THOMAS B. SMITH: (1923)	Dec. 14, 1922	185.66		185.66	
RELIEF OF TACOMA TUG & BARGE CO.: (1923)	Jan. 22, 1923	674.22		674.22	
RELIEF OF MAJ. RUSSEL B. PUTNAM: (1923)	Mar. 2, 1923	2,173.00		2,173.00	
RELIEF OF HOWARD B. GURNEY: (1923)	Feb. 26, 1923	4,391.44		4,391.44	
RELIEF OF DELAWARE RIVER LIGHTERING CO.: (1923)	do	1,960.00		1,960.00	
RELIEF OF OWNER OF AMERICAN STEAMSHIP "VINDAL": (1923)	Feb. 27, 1923	3,295.00			
(1924)				3,295.00	
RELIEF OF RUPERTO VILCHE: (1923)	Mar. 2, 1923	3,000.00		3,000.00	
RELIEF OF NOAH BAY DOCK CO.: (1923)	do	4,507.71		4,507.71	
RELIEF OF FRANK C. EMMES: (1923)	Mar. 4, 1923	3,387.00		3,387.00	
RELIEF OF CHINESE GOVERNMENT: (1923)	do	2,413.79	$2,413.79		

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

Fiscal year	Date of act	Amount of appropriations warranted	Amount carried to surplus fund	Amount expended	Balance June 30, 1925
RELIEF OF ELLEN MCNAMARA:					
(1923)	Mar. 2, 1923	$125.40			
(1924)				$125.40	
RELIEF OF WILLIAM H. LEE:					
(1924)	Apr. 12, 1924	828.29			
(1925)				828.29	
RELIEF OF NEW JERSEY SHIPBUILDING & DREDGING CO.:					
(1924)	May 23, 1924	152,278.28		152,278.28	
RELIEF OF WILLIAM D. MULLEN CO.:					
(1924)	do	85.75			
(1925)				85.75	
RELIEF OF GEORGE T. TOBIN SONS:					
(1924)	May 23, 1924	248.98			
(1925)				248.98	
RELIEF OF REAR ADMIRAL JOSEPH L. JAYNE:					
(1925)	Mar. 4, 1925	3,598.80		3,598.80	
RELIEF OF ESTATE OF CAPT. D. H. TRIBOU:					
(1925)	Feb. 9, 1925	2,667.00		2,667.00	
RELIEF OF GRACE BUXTON:					
(1925)	do	1,500.00		1,500.00	
RELIEF OF J. B. PLATT:					
(1925)	Feb. 17, 1925	170.37		170.37	
RELIEF OF SAN DIEGO CONSOLIDATED GAS AND ELECTRIC CO.:					
(1925)	do	2,632.57		2,632.57	
RELIEF OF ESTATE OF FILER MCCLOUD:					
(1925)	do	2,000.00		2,000.00	
RELIEF OF FLORA M. HERRICK:					
(1925)	Feb. 24, 1925	432.00		432.00	
RELIEF OF DE KIMPKE CONSTRUCTION CO.:					
(1925)	Mar. 2, 1925	5,655.69		5,655.69	
RELIEF OF ALICE E. O'NEIL:					
(1925)	Mar. 4, 1925	2,500.00		2,500.00	
RELIEF OF ESTATE OF ROBERT M. BRYSON:					
(1925)	do	12,299.41		12,299.41	
RELIEF OF COMMERCIAL PACIFIC CABLE CO.:					
(1924)	June 6, 1924	42,600.32		42,600.32	

RECAPITULATION

	Amount appropriated	Amount reappropriated	Total appropriations
Balance July 1, 1921	$235,805,212.97		
Fiscal year 1922	508,154,816.63	$32,259,935.74	$540,414,752.37
Fiscal year 1923	330,607,249.67	56,886,449.85	387,493,699.52
Fiscal year 1924	302,855,462.61	36,856,978.94	339,712,441.55
Fiscal year 1925	308,809,803.36	37,074,968.16	345,884,771.52
	1,686,232,545.24	163,078,332.69	1,613,505,664.96

Statement 26.—APPROPRIATIONS AND EXPENDITURES OF THE NAVY DEPARTMENT—Continued

RECAPITULATION—Continued

	Amount carried to surplus fund	Amount reappropriated	Amount expended	Balance June 30, 1925
Balance July 1, 1921				
Fiscal year 1922	*$91,860.90*	$31,479,317.97	$500,175,249.19	
Fiscal year 1923	655,505.20	56,886,449.85	346,092,055.88	
Fiscal year 1924	29,388,067.76	36,856,978.94	328,979,028.50	
Fiscal year 1925	22,994,666.84	37,074,968.16	325,935,096.28	$132,885,354.26
	52,946,378.90	162,297,714.92	1,501,181,429.85	132,885,354.26

[1] Reappropriated under "1919 accounts."
[2] Reappropriated under "Naval hospital fund."
[3] Reappropriated under "Scrapping of naval vessels, 1923-24."
[4] Reappropriated under "Increase of the Navy."
[5] Reappropriated as per act of Mar. 1, 1921.
[6] Reappropriated as per act of Mar. 20, 1922, Public No. 172.
[7] Unexpended balance returned to Navy pension fund, interest.
[8] Reappropriated under "Ordnance and ordnance stores, 1924."
[9] Reappropriated under "Pay of the Navy, 1921."
[10] Reappropriated under "Aviation, Navy, 1922."
[11] Reappropriated under "Naval working fund."
[12] Reappropriated under "Scrapping of naval vessels, 1924-25."
[13] Reappropriated under "Provisions, Navy, 1925."
[14] Reappropriated under "Administrative expenses, World War adjusted compensation act, Navy Department, 1925-26."
[15] Reappropriated under "Aviation, Navy, 1925."
[16] Reappropriated under "Acquisition of sites, Aviation, Navy."
[17] Reappropriated under "Transportation, navigation, 1923."
[18] The appropriation for the construction of the "Temporary concrete office buildings, Navy and War Departments," has been carried on the books of the Treasury Department as a civil appropriation, therefore does not appear in the body of this or previous statements of naval appropriations and expenditures thereunder prepared by the Navy Department for publication. The following information is furnished from records available as of June 30, 1925. Amount appropriated by the urgent deficiency act approved Mar. 28, 1918, $5,775,000, and the deficiency act approved Nov. 4, 1918, $1,490,000; total appropriated, $7,265,000. Expenditures recorded, $7,263,547.17. Balance carried into the surplus fund, $1,452.83.

Statement 27.—SUMMARY OF NAVAL APPROPRIATION ACTS, AMOUNTS WARRANTED JULY 1, 1921, TO JUNE 30, 1925

Date of act	Congress and session	Amount	Date of act	Congress and session	Amount
Mar. 2, 1799, and subsequent	5–3	[1] $3,634,919.92	June 30, 1914	63–2	[1] $30,163.31
Mar. 3, 1843, and subsequent	27–3	[1] 16,321,849.05	Mar. 4, 1917	64–2	[2] 7.19
Mar. 3, 1875	43–2	[1] 52,461.52	July 1, 1918	65–2	[3] 38,826.12
Feb. 9, 1889	50–2	[1] 525,785.24	July 12, 1921	67–1	[4] 416,092,639.23
Mar. 3, 1893	52–2	[1] 1,080,723.97	July 1, 1922	67–2	[5] 343,086,220.25
June 29, 1906	59–1	[1] 2,406,630.46	Jan. 22, 1923	67–4	[6] 330,061,328.00
May 13, 1908	60–1	[1] 910,355.87	May 28, 1924	68–1	[7] 309,382,617.00
Mar. 3, 1909	60–2	[1] 19,025,395.88	Feb. 11, 1925	68–2	[8] 1,101,000.00
					1,443,750,923.01

[1] Amounts warranted subsequent to July 1, 1921, covering receipts deposited to the credit of certain appropriations as authorized by the acts mentioned.
[2] Indefinite appropriation. Amount warranted subsequent to July 1, 1921.
[3] 1917-18 balances reappropriated under 1919 accounts, amount warranted subsequent to July 1, 1923.
[4] Includes $5,630,144 reappropriated from unexpended balances under "Aviation, Navy," 1920 and 1921.
[5] Includes $53,550,122.79 reappropriated under "Increase of the Navy."
[6] Includes reappropriations of $35,000,000 under "Increase of the Navy" and $450,000 under "Ordnance and ordnance stores, 1924."
[7] Includes reappropriations of $22,500,000 under "Increase of the Navy," $100,000 under "Naval working fund," and $11,500,000 under "Provisions, Navy, 1925."
[8] Appropriated in the naval act for the fiscal year 1926 and made immediately available.

Statement 28.—SUMMARY OF MISCELLANEOUS APPROPRIATION ACTS, AMOUNTS WARRANTED FOR THE NAVY JULY 1, 1921, TO JUNE 30, 1925

Date of act	Name of act	Congress and session	Amount
June 11, 1864	Sec. 3754, R. S	38-1	$14,726.52
July 3, 1918	Legislative	65-2	92,531.61
Mar. 1, 1919	do	65-3	782,483.55
May 18, 1920	Public No. 210	66-2	10,120,962.55
May 29, 1920	Legislative	66-2	1,185,891.65
Feb. 25, 1920, and June 4, 1920	Oil leasing	66-1 66-2	500,000.00
Mar. 1, 1921	Deficiency	66-3	40,242,174.50
Mar. 1, 1921, and Jan. 20, 1925	Public No. 388	66-3 68-2	3,041.72
Mar. 3, 1921	Legislative	66-3	184,432.42
June 16, 1921	Deficiency	67-1	43,602.28
Aug. 24, 1921	Public No. 69	67-1	143,586.23
Dec. 15, 1921	Deficiency	67-2	797,124.10
Feb. 18, 1922	Private No. 26	67-2	1,500.00
Mar. 1, 1922	Private No. 42	67-2	1,200.00
Do	Private No. 43	67-2	1,075.00
Mar. 20, 1922	Deficiency	67-2	53,660,885.32
Apr. 28, 1922	Private No. 51	67-2	1,500.00
Mar. 20, 1922	Deficiency	67-2	1,120.02
June 17, 1922	Private No. 73	67-2	3,000.00
Do	Private No. 74	67-2	2,000.00
June 29, 1922	Public No. 257	67-2	537,120.00
July 1, 1922	Deficiency	67-2	5,689,855.98
Aug. 24, 1922	Private No. 85	67-2	142.00
Sept. 18, 1922	Private No. 96	67-2	4,752.63
Do	Private No. 99	67-2	1,901.35
Do	Private No. 100	67-2	3,500.00
Do	Private No. 101	67-2	1,500.00
Do	Private No. 102	67-2	2,500.00
Do	Private No. 104	67-2	2,500.00
Do	Private No. 113	67-2	57.27
Sept. 21, 1922	Private No. 137	67-2	43.00
Sept. 22, 1922	Deficiency	67-2	243,090.98
Dec. 14, 1922	Private No. 151	67-4	185.66
Jan. 22, 1923	Deficiency	67-4	220,567.89
Do	Private No. 156	67-4	674.22
Feb. 2, 1923	Private No. 158	67-4	1,127.00
Feb. 26, 1923	Private No. 178	67-4	4,391.44
Do	Private No. 179	67-4	1,960.00
Feb. 27, 1923	Private No. 189	67-4	3,295.00
Mar. 2, 1923	Private No. 216	67-4	3,000.00
Do	Private No. 222	67-4	125.40
Do	Private No. 223	67-4	4,507.71
Do	Private No. 225	67-4	2,173.00
Mar. 4, 1923	Deficiency	67-4	29,549,389.17
Do	Private No. 245	67-4	3,387.00
Do	Public No. 514	67-4	2,413.79
Apr. 2, 1924	Deficiency	68-1	1,210,654.71
Apr. 12, 1924	Private No. 7	68-1	828.29
May 23, 1924	Private No. 18	68-1	85.75
Do	Private No. 19	68-1	248.98
Do	Private No. 21	68-1	152,278.28
June 6, 1924	Private No. 47	68-1	42,600.32
Dec. 5, 1924	Second deficiency	68-2	4,985,633.95
Dec. 6, 1924	Public No. 293	68-2	31,980.00
Jan. 20, 1925	First deficiency	68-2	390,676.22
Feb. 9, 1925	Private No. 146	68-2	2,667.00
Do	Private No. 147	68-2	1,500.00
Feb. 17, 1925	Private No. 178	68-2	170.37
Do	Private No. 180	68-2	2,632.57
Do	Private No. 183	68-2	2,000.00
Feb. 24, 1925	Private No. 190	68-2	432.00
Mar. 2, 1925	Private No. 205	68-2	5,655.69
Mar. 4, 1925	Second deficiency	68-2	18,834,830.89
Do	Private No. 255	68-2	2,500.00
Do	Private No. 261	68-2	12,299.41
Do	Private No. 274	68-2	3,598.80
Do	Public No. 615	68-2	4,470.76
			169,754,741.95

Statement 29.—SUMMARY OF ALL APPROPRIATIONS, SHOWING AMOUNTS WARRANTED DURING THE PERIOD JULY 1, 1921, TO JUNE 30, 1925, EXCEPT AS NOTED BELOW

Year	By naval appropriation acts	By miscellaneous acts	Total
1922	$432,902,185.18	$107,528,067.19	$540,430,252.37
1923	352,960,074.41	34,533,625.11	387,493,699.52
1924	336,392,655.77	3,319,785.78	339,712,441.55
1925	321,496,007.65	24,373,263.87	345,869,271.52
	1,443,750,923.01	169,754,741.95	1,613,505,664.96

NOTE.—In the preparation of statements 26, 27, 28, and 29, all reappropriations warranted by the Treasury Department are treated as new appropriations and cover the period July 1, 1921, to June 30, 1925, except under the acts of July 1, 1918, and Mar. 1, 1921, which cover only the period July 1, 1923, to June 30, 1925, the previous two years having been included in the Bureau of Supplies and Accounts publication of appropriations and expenditures July 1, 1876, to June 30, 1921.

Statement 30.—CONSOLIDATED STATEMENT OF APPROPRIATIONS AND EXPENDITURES FOR THE NAVY MARCH 4, 1789, TO JUNE 30, 1925

	Amount appropriated	Amount reappropriated	Total appropriations	Amount carried to surplus fund	Amount reappropriated	Amount expended	Balance June 30, 1925
Mar. 4, 1789, to June 30, 1876	$1,018,251,452.08	$2,570,418.05	$1,020,821,870.13	$76,373,122.32	$2,118,000.00	$941,288,985.37	
July 1, 1876, to June 30, 1921	7,946,334,126.15	573,301,359.80	8,519,635,485.95	425,889,075.17	574,081,977.57	7,284,900,982.68	
July 1, 1921, to June 30, 1925	1,450,427,332.27	163,078,332.69	1,613,505,664.96	52,946,378.90	162,297,714.92	1,501,181,429.85	$132,885,354.26
	10,415,012,910.50	738,950,110.54	11,153,963,021.04	555,208,576.39	738,497,692.49	9,727,371,397.90	132,885,354.26

Statement 31.—SALES OF CONDEMNED PROPERTY, FISCAL YEAR 1925

Date of sale	Place of sale	By whom deposited	Gross receipts	Expense of sale	Net receipts	Credited to miscellaneous receipts	Credited to Navy funds	
							Naval Supply Account fund	Clothing and small stores fund
May 5, 1924	Portsmouth, N. H	Rudolph, Charles E	$9,385.15	$3,316.02	$6,069.13	$4,196.57	$1,871.56	$1.00
June 30, 1924	do	do	102.51		102.51	102.51		
July 7, 1924	do	do	20.00		20.00	20.00		
Oct. 21, 1924	do	do	38,703.11	4,012.91	34,690.20	20,871.40	13,818.80	
Oct. 26, 1923	Boston, Mass	Coyle, I. D	137.70		137.70	137.70		
May 6, 1924	do	do	51,450.49	7,075.71	44,374.78	39,980.31	4,394.47	
June 6, 1924	do	do	1,351.83		1,351.83	1,077.36	274.47	
June 25, 1924	do	do	96.00		96.00	96.00		
July 1, 1924	do	do	20.00		20.00	20.00		
Oct. 22, 1924	do	do	25,508.42	5,962.46	19,545.96	19,545.96		
Dec. 3, 1924	do	do	1,726.39		1,726.39	1,726.39		
May 25, 1925	do	do	4,490.27		4,490.27	4,490.27		
July 31, 1924	Training station, Newport, R. I	Daniels, John B	13.97		13.97	13.97		
Sept. 30, 1924	do	Gibbs, T. C	70.37		70.37	70.37		
Dec. 31, 1924	do	do	26.87		26.87	26.87		
Mar. 31, 1925	do	do	24.21		24.21	24.21		
June 30, 1925	do	do	40.24		40.24	40.24		
Mar. 25, 1924	Torpedo station, Newport, R. I	Best, W. A	2,716.80		2,716.80	2,716.80		
July 29, 1924	do	do	7,035.90	2,125.16	4,910.74	4,910.74		
Nov. 19, 1924	do	do	11,818.59	1,539.67	10,278.92	10,278.92		
Jan. 29, 1924	Submarine base, New London, Conn.	Barnum, Ambrose J	511.75		511.75	511.75		

Statement 31.—SALES OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Date of sale	Place of sale	By whom deposited	Gross receipts	Expense of sale	Net receipts	Credited to miscellaneous receipts	Credited to Navy funds	
							Naval Supply Account fund	Clothing and small stores fund
June 26, 1923	New York, N. Y	Ryan, E. D	$386.40		$386.40	$386.40		
Nov. 1, 1923	do	do	80.92		80.92	80.92		
Nov. 13, 1923	do	do	1,679.41		1,679.41	1,679.41		
Jan. 8, 1924	do	do	261.51		261.51	261.51		
Feb. 19, 1924	do	do	1,612.46		1,612.46	1,612.46		
May 15, 1924	do	do	61,672.06	$10,636.39	51,035.67	3,577.57	$47,458.10	
June 24, 1924	do	do	565.87		565.87	565.87		
Oct. 14, 1924	do	do	21,929.01	4,133.09	17,795.92	16,772.71	1,023.21	
Jan. 3, 1924	Supply depot, Brooklyn, N. Y	Ketterer, Leo A	7,063.82	6,526.27	537.55			$537.55
Do	do	do	3,348.23		3,348.23		3,348.23	
Jan. 10, 1924	do	do	20.00		20.00	20.00		
Jan. 17, 1924	do	do	698.20		698.20		698.20	
May 12, 1924	do	do	982.52		982.52	982.52		
May 15, 1924	do	do	1,948.91		1,948.91		1,948.91	
June 19, 1924	do	do	186.93		186.93	186.93		
June 26, 1924	do	do	26,787.21	1,908.35	24,878.86			24,878.86
July 3, 1924	do	do	397.19		397.19		397.19	
Aug. 21, 1924	do	do	1,145.74		1,145.74	1,145.74		
Oct. 2, 1924	do	do	4,472.83		4,472.83			4,472.83
Oct. 9, 1924	do	do	419.30		419.30		419.30	
Oct. 15, 1924	do	do	4,944.71	1,918.60	3,026.11		3,026.11	
Do	do	do	62,339.62		62,339.62			62,339.62
Dec. 11, 1924	do	do	819.63		819.63	819.63		
Jan. 29, 1925	do	do	15,766.20		15,766.20		500.71	15,265.49
Jan. 9, 1924	Philadelphia, Pa	Spear, Ray	720.00	560.16	159.84	159.84		
Mar. 4, 1924	do	Wood, G. S	5.00		5.00	5.00		
Mar. 5, 1924	do	do	446.91		446.91	446.91		
Apr. 23, 1924	do	do	7,925.44	2,563.33	5,362.11	4,664.61	697.50	
Apr. 28, 1924	do	Spear, Ray	427.25	119.03	308.22	308.22		
May 21, 1924	do	Wood, G. S	312.22	228.07	84.15	84.15		
May 27, 1924	do	do	15,253.50	2,748.71	12,504.79	12,504.79		
June 18, 1924	do	Bryan, A. M	3,166.35	2,013.97	1,152.38	977.79	174.59	
June 27, 1924	do	Wood, G. S	173.60		173.60	173.60		
July 16, 1924	do	do	1,691.62		1,691.62	1,685.36	2.51	3.75
July 23, 1924	do	do	42,086.91	4,596.36	37,490.55	32,844.57	4,645.98	
Aug. 27, 1924	do	do	167.50		167.50	167.50		

Sept. 5, 1924	do	do	411.65		411.65	411.65		
Sept. 17, 1924	do	do	1,500.00		1,500.00	1,500.00		
Oct. 10, 1924	do	do	92,074.61	6,978.98	85,095.63	80,481.25	3,615.93	998.45
Oct. 30, 1924	do	do	695.00		695.00	695.00		
Nov. 20, 1924	do	do	929.56	6.23	923.33	923.33		
No. 29, 1924	do	do	225.00		225.00	225.00		
Dec. 20, 1924	do	do	3,775.00		3,775.00	3,775.00		
Mar. 11, 1924	Powder factory, Indianhead, Md	Todd, W. E	60.00		60.00	60.00		
Apr. 29, 1924	do	do	150.00		150.00	150.00		
Oct. 13, 1924	do	do	76.40		76.40	76.40		
Oct. 6, 1924	Mine depot, Yorktown, Va	Sparks, E. F	69.80		69.80	69.80		
Oct. 28, 1924	Ordnance plant, Charleston, W.Va	Bradley, E. H	1,440.00		1,440.00	1,440.00		
Feb. 11, 1924	do	do	79.00	20.00	59.00	59.00		
June 21, 1923	Norfolk, Va	Stevens, H. E	220.31		220.31	221.31		
Dec. 11, 1923	do	do	1,236.45		1,236.45	945.25	291.20	
Dec. 12, 1923	do	do	8,221.65	2,777.75	5,443.90	5,443.90		
Dec. 28, 1923	do	do	988.50	708.58	279.92	279.92		
Jan. 9, 1924	do	do	1,617.10	784.45	832.65	761.08	71.57	
Jan. 10, 1924	do	do	805.99	321.67	484.32	484.32		
Feb. 5, 1924	do	do	33,135.65	7,478.82	25,656.83	25,656.83		
Feb. 8, 1924	do	do	1,638.90	775.00	863.90	863.90		
Feb. 12, 1924	do	do	1,324.23	515.62	808.61	806.77	1.84	
Feb. 26, 1924	do	do	13,085.97	3,546.51	9,539.46	9,521.24	18.22	
Feb. 27, 1924	do	do	337.77	99.70	238.07	238.07		
Mar. 3, 1924	do	do	2,623.87	631.21	1,992.66	1,992.66		
Mar. 12, 1924	do	do	1,654.75	283.93	1,370.82	1,370.82		
Mar. 20, 1924	do	do	8,037.00	1,526.08	6,510.92	6,510.92		
Apr. 2, 1924	do	do	4,391.63	238.28	4,153.35	3,718.60	22.41	412.34
Apr. 4, 1924	do	do	2,792.18	609.67	2,182.51	1,541.56	640.95	
Apr. 16, 1924	do	do	50.00	8.44	41.56	41.56		
Apr. 29, 1924	do	do	18,594.80	7,317.48	11,277.32	10,075.14	1,202.18	
May 8, 1924	do	do	2,312.16	1,096.10	1,216.06	1,164.05	52.01	
May 13, 1924	do	do	2,435.01	1,012.62	1,422.39	1,345.07	66.73	10.59
May 16, 1924	do	do	316.09	145.19	170.90	170.90		
May 19, 1924	do	do	788.50	300.36	488.14	338.41	149.73	
May 27, 1924	do	do	80.00		80.00	80.00		
June 5, 1924	do	do	65.00		65.00	65.00		
June 18, 1924	do	do	975.00	357.92	617.08	605.06	.63	11.39
June 19, 1924	do	do	13,834.23	10,838.28	2,995.95	2,174.01	821.94	
July 25, 1924	do	do	1,000.00	717.48	282.52	282.52		
July 30, 1924	do	do	1,717.55	1,355.38	362.17	252.97	109.20	
Aug. 21, 1924	do	do	313.33	301.82	11.51	11.51		
Sept. 15, 1924	do	do	1,531.28	1,457.71	73.57	40.01	33.56	
Oct. 9, 1924	do	do	152.00	102.27	49.73	49.73		
Oct. 22, 1924	do	do	224.09	102.27	121.82	121.82		
July 11, 1924	Charleston, S. C	Bloxham, H. H	70.00		70.00	70.00		
Sept. 22, 1924	do	do	750.00		750.00	750.00		
Oct. 13, 1924	do	do	1,850.00		1,850.00	1,850.00		
Dec. 2, 1924	do	Barrett, R. E	29,973.66	1,756.99	28,216.67	26,385.60	1,746.42	84.65
Dec. 5, 1924	Key West, Fla	Elliott, W	77.00		77.00	77.00		
Apr. 10, 1924	do	do	222.65		222.65	222.65		

Statement 31.—SALES OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Date of sale	Place of sale	By whom deposited	Gross receipts	Expense of sale	Net receipts	Credited to miscellaneous receipts	Credited to Navy funds	
							Naval Supply Account fund	Clothing and small stores fund
July 29, 1924	Pensacola, Fla	Swithenbank, C. E	$54.05		$54.05	$54.05		
Aug. 29, 1924	do	do	25.00		25.00	25.00		
Dec. 8, 1924	do	do	15,770.71	$46.08	15,724.63	15,724.63		
Mar. 11, 1924	do	do	56.00	31.91	24.09	24.09		
June 23, 1924	Great Lakes, Ill	Hooton, H. A	2,550.00	315.58	2,234.42	2,234.42		
June 30, 1924	do	do	373.17	50.00	323.17	323.17		
July 30, 1924	do	do	25,681.00	895.62	24,785.38	24,785.38		
Aug. 18, 1924	do	do	6,200.00		6,200.00	6,200.00		
Sept. 15, 1924	do	do	60.00		60.00	60.00		
Oct. 15, 1924	do	do	90.00		90.00	90.00		
Apr. 24, 1925	do	do	11,902.00	80.00	11,822.00	11,822.00		
Apr. 10, 1924	New Orleans, La	Reed, R. C	375.50		375.50	375.50		
Dec. 10, 1924	do	do	61.70		61.70	61.70		
June 30, fiscal year 1924	Training station, San Diego, Calif.	Settle, W. A	15.52		15.52	15.52		
June 30, fiscal year 1925	do	do	107.58		107.58	107.58		
Do	do	do	24.42		24.42	24.42		
Sept. 2, 1924	Air station, San Diego, Calif.	Wade, N. R	675.00		675.00	675.00		
June 20, 1924	do	do	200.00		200.00	200.00		
Do	do	do	44.58		44.58	44.58		
Mar. 10, 1925	do	Masterson, G. W	4,642.95		4,642.95	4,642.95		
June 30, 1925	do	do	100.00		100.00	100.00		
July 1, 1924	Eleventh District, San Diego, Calif.	Barber, E. H	16.02		16.02	16.02		
Do	do	do	62.00		62.00	62.00		
July 15, 1924	do	do	544.95		544.95	544.95		
July 25, 1924	do	do	726.47		726.47	380.62	$346.85	
Aug. 15, 1924	do	do	832.85		832.85	675.85	157.00	
Sept. 5, 1924	do	do	1,277.14		1,277.14	855.02	422.12	
Sept. 20, 1924	do	do	813.11		813.11	604.95	208.16	
Oct. 4, 1924	do	do	429.86		429.86	117.75	312.11	
Oct. 25, 1924	do	do	573.69		573.69	231.35	342.34	
Nov. 20, 1924	do	do	577.65		577.65	461.05	116.60	
Dec. 5, 1924	do	do	808.70		808.70	14.18	794.52	
Dec. 18, 1924	do	do	12,938.18		12,938.18	12,913.13	25.05	
Jan. 5, 1925	do	do	2,315.18		2,315.18	1,104.40	326.28	$884.50
Feb. 5–9, 1925	do	do	37.32		37.32	37.32		
Feb. 26, 1925	do	do	427.99		427.99	269.93	158.06	
Mar. 5, 11, 16, 1925	do	do	56.97		56.97	56.97		

Mar. 14, 1925	do	do	50.00		50.00	50.00		
Mar. 25, 1925	do	do	700.13		700.13	291.90	408.23	
Do	do	do	3,120.03		3,120.03	2,889.57	230.46	
Apr. 15, 1925	do	do	193.58		193.58	113.65	79.93	
May 6, 1925	do	do	3,006.30		3,006.30	3,006.30		
May 5–18, 1925	do	do	2,158.15		2,158.15	2,141.75	16.40	
June 6, 1925	do	do	314.68		314.68	151.68	163.00	
June, 1924 to 1925	do	do	57.28		57.28	57.28		
Contract No. 1, 1925	do	do	183.00		183.00	183.00		
Mar. 21, 1924	Mare Island, Calif	Perkins, F. K	111,829.44	9,502.09	102,327.35	82,411.13	18,889.30	1,026.92
Aug. 5, 1924	do	Culhane, T. A	64,517.46	3,811.90	60,705.56	56,681.59	4,023.97	
Jan. 15, 1925	do	do	84,001.00	6,924.43	77,076.57	70,740.46	5,947.42	388.69
June 6, Sept. 6, and Oct. 29, 1924	Puget Sound, Wash	Higgins, John S	70.00		70.00	70.00		
Mar. 5, 1924	do	do	29,942.20	8,354.91	21,587.29	11,832.63	9,724.74	29.92
Aug. 24, 1924	Guantanamo Bay, Cuba	Scherberger, F., jr	55.00		55.00	55.00		
July 18, 1924	Guam, M. I	Humphreys, H. E	84.25		84.25		84.25	
Sept. 12, 1924	do	do	180.00		180.00	180.00		
Feb. 17, 1925	do	do	26.01		26.01	26.01		
Sept. 3, 1924	Pearl Harbor, T. H	Helm, James P	2,083.05	48.00	2,035.05	2,035.05		
Sept. 30, 1924	do	do	292.94		292.94	292.94		
Dec. 31, 1924	do	do	298.89		298.89	298.89		
Jan. 6, 1925	do	do	17,205.13	47.78	17,157.35	17,157.35		
Mar. 7, 1925	do	do	25.00		25.00	25.00		
Mar. 31, 1925	do	do	266.31		266.31	266.31		
May 31, 1925	do	do	147.06		147.06	147.06		
June 30, 1925	do	Irwin, John, jr	142.36		142.36	142.36		
Oct. 21, 1924	Cavite, P. I	Beach, H. L	9,106.26	524.65	8,581.61	7,477.13	793.02	311.46
Apr. 19, 1924	Olongapo, P. I	Smith, L. I	1,286.00	33.60	1,252.40	1,252.40		
Aug. 25, 1924	do	do	9.00		9.00		9.00	
Aug. 22, 1924	Santo Domingo, Dominician Republic.	Ring, M. L	582.10		582.10	465.55	116.55	
Sale of hulks, 1924	do	do	40.00		40.00	40.00		
Total			1,131,505.74	146,823.60	984,682.14	735,785.41	137,238.72	111,658.01

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925

Navy yard, Portsmouth, N. H.:	
May 5, 1924—	
Abbit Typewriter Co	$65.00
Bernstein & Jackson (Inc.)	997.05
Burke, John F	157.50
Cohen, Max	2,418.66
Edinburg, Simon I	1,500.00
Federal White Metal Co	75.00
Florida State Hospital	34.00
Goodman, William	105.00
Hooz, S	335.99
Johnson, P. J	580.00
Koliski & Hill	28.50
Lipsitz Co	1,189.90
Reardon, T. F	175.00
Romer, M	78.50
Scully, John J	114.00
Seeger, L. E. D	89.80
Stalnick, I	561.30
Washburne, C. P	240.00
Watts, Percy S	35.00
Wisbadee, Fred	115.00
Woogmaster, A	489.95
	9,385.15
July 1, 1923, to June 30, 1924—	
Kozlonski, Joseph	6.64
Moulton, Fred C	19.12
Portsmouth Tallow Co	76.75
	102.51
July 7, 1924—	
Ashmore, Arthur H	20.00
Oct. 21, 1924—	
Hooz, Sam	179.50
Leavitt, Louis	930.03
Goodman, William	1,302.63
Dolgoff, J. L	740.60
Federal White Metal Co	9,999.47
Commercial Trading Co	50.00
Max Cohen	2,294.55
Federated Metal Corporation	5,251.70
Gordon & Gerber	9,287.08
Stewart, Charles H	1,085.13
Lipsitz, J., Co	5,583.37
Perry, Buxton & Doane Co	1,199.55
Dunhue, D. V	667.50
Burke, Thomas J	126.00
	38,703.11
Navy yard, Boston, Mass.:	
Oct. 26, 1923—	
Midgeley Steel Products Corporation	137.70
May 6, 1924—	
Abbott Typewriter Co	245.00
Angel, Mark	330.00
Aronofsky & Son, H	54.00
Atlantic Marine Exchange	10.00
Atlantic Metal & Rubber Co	824.30
Beal & Co., Jos	770.00
Berger Manufacturing Co	90.00
Berman, Samuel	45.80
Bethlehem Steel Co	7.50
Block & Co., N	6,506.50
Boston Iron & Metal Co	4,334.40
Boston Office Furniture Exchange	904.00
Bradt, F. W	165.00
Broomfield, Benjamin M	101.89
Bull & Co., J. R	1,058.25
Burke, John F	741.80
Butter, Harry	215.90
Cambridge Smelting Co	815.10
Cohen & Co., H	961.85
Cohen, Max	2,029.53
Connelly, M. J	263.50
Consolidated Products Co	35.00
Cordes, F. W	115.00
Dupont Co. (Inc.)	115.58
Federal White Metal Co	667.76
Feimburg, David	330.55
Navy yard, Boston, Mass.—Continued.	
May 6, 1924—Continued.	
Fine, Samuel	$190.00
Florida State Hospital	2,765.90
Golberg, I	18.00
Goodglick, M	461.25
Gordon & Gerber	12,023.43
Greb Co	214.75
Hershenson, A. B	76.10
Johnson, P. J	25.00
King, Philip T	525.00
Lebovitz, S	650.00
Lipsitz, J	3,270.00
Lyon, Howard W	389.00
Machinery & Equipment Co	364.00
Michelson & Son, J	225.00
Miller, Harold L	15.00
Milligan, John J	606.50
Morse, F. S	955.00
Oakes, Owen F	510.00
O'Boyle, Joseph F	90.00
Palmer & Son, S. P	90.00
Reardon, T. F., jr	55.50
Riesman, J. G	45.00
Riley, G. H	111.00
Rosenfield, Philip	150.00
Seiger, S	35.00
Slotnick, I	106.85
Stevens, F. H	170.00
Voss, Carl	240.00
Wilms, W. H	5,200.00
Wortsmann, Jacob	135.00
	51,450.49
June 6, 1924—	
Atlantic Marine Exchange	56.89
Carots, E	402.47
Hodgkins, A. B. and J. R	250.00
Libman, G	228.23
Parker, Mrs. A. W	2.00
Perry Buxton Doane Co	382.00
Rubenstein, H	30.24
	1,351.83
June 25, 1924—	
Gaffney, Peter J	96.00
July 1, 1924—	
Lowell Council, Boy Scouts of America	20.00
Oct. 22, 1924—	
Allen Stationery Co	3.00
Atlantic Marine Exchange	299.00
Atlantic Metal & Rubber Co	1,317.00
Beach, C. R	230.00
Bensinger, John	70.00
Broomfield, Philip	250.00
Chelsea Iron & Steel	4,039.94
Cheslock, A	724.90
Connelly, M. J	31.00
Dolgoff, J. L	2,994.60
Duane, John J	785.50
Eaton, George W., jr	90.00
Edinburg & Golden	2,476.66
Edinburg Metal Co	12.50
Esterhill, F. W	786.00
Ewart, Thomas	23.50
Feinburg Co., David	884.98
Flynn, Inc., Michael	2,636.76
Gallant, Manuel	32.50
Gleason, Walter J	39.50
Goodman, William	576.00
Gordon & Gerber	1,577.55
Grossman & Sons, L	804.25
Hallett, John	100.00
Harris & Co., Benj	1,192.20
Johnson, John P	18.50
Johnson, P. J	132.50
Kaliske & Hill	3.00
Kolodny, B	146.00
Kravetz, Harry	8.00
Landau, P	4.00
Leavitt, Louis	374.00

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Boston, Mass.—Continued.	
Oct. 22, 1924—Continued.	
Lebovitz, S	$100.80
Libsitz Co., J	798.89
Michelson & Son, J	97.50
Miller, Harry	5.00
Mortoa, Alexander	255.00
Myerson, Joseph	315.00
New England Fire Appliance Co	52.50
Reisner, William	7.50
Richer, Charles	2.50
Riley, C. E	101.00
Roberts, R. V	10.00
Rosenblatt, William	637.24
Sepenuk, J	29.00
Slotnick, I	88.00
Sovrensky, Louis	247.50
Sullivan, J. W	40.00
Yoffe, Eli	411.40
	25,862.17
Dec. 3, 1924—	
Burke, John F	607.00
Caputa, Paul	937.00
Connor, Ralph E	80.00
Gleason, Walter J	35.29
Jacobs, J	27.00
Miller, Fred K. H	26.50
Ryan, Joseph F	13.60
	1,726.39
May 25, 1925—	
Edinburgh Metal Co	3,550.00
J. Lipsitz Co	940.27
	4,490.27
Naval training station, Newport, R. I.:	
July 31. 1924—	
Butchers' Rendering Co	13.97
Sept. 30, 1924—	
Butchers' Rendering Co	70.37
Dec. 31, 1924—	
Butchers' Rendering Co	26.87
Mar. 31, 1925—	
Butchers' Rendering Co	24.21
June 30, 1925—	
Butchers' Rendering Co	40.24
Naval torpedo station, Newport, R. I.:	
Mar. 25, 1924—	
Alderman Iron & Metal Co	1,644.91
Danin & Smith	313.38
Rosen, Daniel	758.51
	2,716.80
July 29, 1924—	
Names of bidders not given	4,910.74
Nov. 19, 1924—	
Rachlin, Samuel	3,032.32
Klein, Nathan	258.50
Atlantic Metal & Rubber Co	200.00
Continental Jobbing Co	617.50
Bellows Co., D. S	24.00
Tidewater Sales Corporation	1,001.00
Teitz, Max	23.18
Rosen, Daniel	620.50
Shapiro, A	84.38
Manuel Bros	235.00
Florida State Hospital	508.00
Litman, A	1,425.00
Danin & Smith	819.95
Rome & Son, I	370.00
Richards Manufacturing Co	962.50
O'Connell, J. T	104.00
Leavitt, L	505.50
Lucas & Son (Inc.), J. L	80.00
	10,871.33
Submarine base, New London, Conn.	
Jan. 29, 1924—	
Names of successful bidders not given	511.00
Navy yard, New York, N. Y.:	
June 26, 1923 (sale No. 6)—	
Paganucci, Victor	$386.40
Nov. 1, 1923 (Sale W-3)—	
Brooklyn Crozite Brick Corporation	80.92
Nov. 13, 1923 (sale No. 14)—	
Bender, S. N. M	781.00
Fareldo, Joseph	70.91
Jamieson & Bond	35.00
Jarashow, B	53.00
Rabe, A. W	7.50
Waller & Potter (Inc.)	732.00
	1,679.41
Jan. 8, 1924 (sale No. 15)—	
Republic Paper Stock Co	261.51
Feb. 19, 1924 (sale No. 17)—	
Atlantic Refining Co	195.00
Dyer, George J	350.00
Ferrandino, Peter J	365.00
Frederick, Theodore	15.51
Grimes, Frank	353.50
Liello, Joseph	76.25
Maroney, Thomas	100.00
Price, I. W	257.20
	1,612.46
May 15, 1924—	
Barachow, F. C., & Sons	1,521.75
Cutler, Paul, & Son	5,538.26
Diamond Metal Co	82.50
Federal White Metals Co	2,571.07
Fox Steel & Iron Co	134.55
Goodglick, M	507.26
Gordon & Freedman	57.60
Harris, Benj., & Co	21,379.03
Kamross, I	216.12
Lehman Bros	228.00
Nassau Smelting & Refining Works	12,085.56
Rubin, Edward	90.24
Samuel, M., & Son	1,882.14
Sepenuk, J	15,377.98
	61,672.06
June 24, 1924—	
Borelli, T., & Son	565.87
Oct. 14, 1924—	
American Tube & Stamping Co	2,880.00
Bender, Chas	29.90
Betwinik Bros	680.00
Cashin, M. T	641.00
Commercial Trading Co	20.00
Donahue, E. V	607.50
Fareldo, Joseph	599.55
Federal Waste Material Co	1,293.70
Ferrandino, Peter J	6.00
Faske, Arthur	39.75
Flynn, Michael	1,209.37
Gehagen, W. H	1,673.50
Garfield Co., The	52.78
Gluck, Morris	911.05
Huether, Rev. John V	156.00
Howard Supply Co	54.75
Klein & Co., Nathan	156.00
Leavitt, Louis	649.15
Liberman, Morris	753.00
Linn, K	111.00
Merril Bros	45.00
Miller, Harry J	291.50
Mintzer, I. L	144.41
Rosenfield, George F	25.00
Rudnick, W	18.18
Samuel & Sons, M	2,617.57
Trout, George M	299.84
Warner Supply Co	16.00
Wheeler, E. B	53.00
Wright, R. E	5,869.51
Forfciture of deposit of the A. B. C Trading Co	25.00
	21,929.01

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy supply depot, Brooklyn, N. Y.:	
Jan. 3, 1924—	
Benes, A., & Gerofsky	$962.20
Bernstein Bros	1,658.54
Federal Waste Material Co	463.43
Goldstein, Jacob	1.75
Jarashow & Frey	151.00
Kaplan, E. D., & Co	608.34
Kolodsky, E	651.55
Kurtz, Charles	29.85
Levey, Samuel	11.16
Lieberman, Morris	160.36
Loveland, R. C., & Co. (Inc.)	1,920.50
Reynolds, John	541.90
Royal Grocery Jobbers	103.24
	7,063.82
Jan. 3, 1924—	
Abbitt Typewriter Co	468.10
Buchman, A. I	96.65
Broadway Typewriter Co	51.25
Fareldo, Joseph	34.00
Friedman, Ralph, Co	251.79
Nathan, Charles S	119.51
Physiatric Institute	9.25
Roth, Samuel	242.00
Schloss Bros	2,065.17
Sepenuk, J	10.51
	3,348.23
Jan. 10, 1924 (C-11)—	
Fox-Meade Iron Co. (Inc.)	20.00
Jan. 17, 1924 (W-4)—	
Borelle, T., & Sons	698.20
May 12, 1924 (C-15)—	
Abbitt Typewriter Co	96.00
Brooklyn Safe Co	120.20
Braun, L. W	17.16
Carr, Walter F	24.26
Frey, Nathan	137.15
Goldstein, J	37.25
Goldsmith Bros	20.30
Jarashow, B	36.05
Jones, W. L	101.00
Kane, E. J	25.00
Lewinske, Herman	135.30
Nemzer, Frank	162.60
Roth, Samuel	16.00
Rothwell, Herbert H	3.50
Willey Book Co	50.75
	982.52
May 15, 1924 (C-12)—	
Abbitt Typewriter Co	416.02
Broadway Typewriter Co	193.25
Broadwin Safe Co	98.50
Carr, Walter F	175.98
Conway, B. F	15.50
Freidus Machinery Co. (Inc.)	285.00
Goldstein Bros	120.50
Goldsmith Bros	72.50
Hall, M. E	24.00
Jarashow, B	6.00
Linn, K	33.76
Nathan, Charles S	129.65
Rose, Yancey S	5.25
Rapid Syenoil Machine Co	47.40
Rome, I., & Sons	79.75
Zuckerman Safe Co	245.00
Warnock, J. A	94.75
	1,948.91
June 19, 1924 (C-17)—	
Van Iderstine Co., The	186.93
June 26, 1924—	
American Eagle Importing Co. (Inc.)	729.00
Becker, H. M	1,188.30
Charkow, Max	520.00
Diamond Manufacturing Co	185.00
Drucker, Irving	1,969.78
Frankel Bros. & Co	275.47
Frey, Nathan	131.75
Gerofsky, H. & B	6,917.97
Navy supply depot, Brooklyn, N. Y.—Continued.	
June 26, 1924—Continued.	
Jarashow, B	$5.50
Josephson, S	308.99
Kiffe, H. H., & Co	176.63
Libman, G	334.39
Marans, David	59.07
Mercury Co., The	32.21
Mutnick Bros	2,445.37
O'Meara Co., Maurice	592.32
Popular Trading Co	9,386.97
Roth, Samuel	128.49
Sears, A. C., & Co	1,400.00
	26,787.21
July 3, 1924—	
Borelli, I., & Son	397.19
Aug. 21, 1924—	
Brooklyn Safe Co	107.35
Broadway Typewriter Co	69.50
Charkow, Max	17.00
Cohen, S. S. (Inc.)	15.10
Diamond Manufacturing Co	152.00
Goldsmith Bros	12.10
Jarashow, B	50.71
Lewinske, Herman	82.91
Marks, M	9.65
National Typewriter Exchange	15.00
Payne Co., The	356.26
Reynolds, J. J	72.10
Roth, Samuel	113.31
Taylor, M	72.77
	1,145.74
Oct. 2, 1924—	
Gerofsky Bros. (Inc.)	1,293.55
Herbert, John N	2.52
House of Van Pragg (Inc.)	1,830.79
Jarashow & Frey	185.30
Kaplan, B. D., & Co. (Inc.)	609.56
Maxman, S	262.55
Moran, A. J., & Co. (Inc.)	4.86
Mutnick Bros	280.74
Shapiror, Leon	2.96
	4,472.83
Oct. 9, 1925—	
Blade, E. H	21.10
Blum, J	3.00
Brooklyn Safe Co	90.14
Federal Waste Material Co	96.64
Goldstein, J	31.00
Jarashow, B	105.12
Roth, Samuel	34.30
Raymond & Co	38.00
	419.30
Oct. 15, 1924—	
Barnett & Harris	40.50
Block, N., & Co	466.85
Cashin, M. T	139.50
Cohen, Samuel S. (Inc.)	15.00
Donohue, D. V	90.00
Dreyfus, Harry	29.50
Garfield Co., The	35.50
Gluck, Morris & J	70.00
Goodman, E. Q	193.51
Jarashow & Frey	472.50
Katz, Charles	26.00
Kaufman Machinery Co	65.00
Leavitt, Louis	454.00
Lovitt, Samuel	100.00
Richter, Charles	133.00
Rosenfeld, George F	340.00
Rudnick, W	40.00
Silberstein, M	1,045.00
Southland Jobbing House	245.00
Thornton, C. C	60.00
Trautman, P. K	627.00
Trout, George W	158.85
Wanners, G. W	30.00
Wheeler, Howard E	67.50
	4,944.71

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy supply depot, Brooklyn, N. Y.—Continued.	
Oct. 15, 1924—	
Block, N., & Co	$894.45
Charkow, Max	679.14
Continental Jobbing & Exporting Co.	8,778.00
Dreyfus, Harry	3,600.00
Goldberg, I	102.96
Goodman, E. W	335.50
Kalp, Hyman	17,374.04
Lipschitz, Samuel	2,291.00
March, Samuel H	1,236.76
Schaap, A., & Son	3,801.25
Silton Co., The	331.20
Surplus Merchandise Corporation	22,915.32
	62,339.62
Dec. 11, 1924—	
Buffalo Blue Print Co	200.00
Cohen, S. S. (Inc.)	108.65
Cohen, Max	15.15
Crystal Art Co	13.00
Goldstein, J	6.75
Hedden, Arthur A	50.00
Jarashow, B	76.94
Jamieson, John	61.25
Lewinske, Herman	60.73
Lowe, Arthur	2.65
Nathan, Charles S	52.20
Wilson, Paul	14.16
Ralph Metals Corporation	4.98
Rosenblatt, T	25.00
Time Clock Repair Co	15.00
Typewriter Circle Co	113.17
	819.63
Jan. 29, 1925 (Sale C-25)—	
Bencs, A	147.82
Buchman, Arthur I	17.11
Carr, Walter F	66.00
Darmstadt, Scott and Courtney	3,571.09
De Witt, S. A	120.00
Diamond Manufacturing Co	2,719.00
Fisher, S. J. (Inc.)	291.12
Frankel Bros. & Co	137.39
Gerofsky Bros. (Inc.)	1,587.55
Gerofsky, H. & B. L	3,209.24
Gibbons, Archer	55.25
Goldstein, Jacob	43.95
Jarashow, B	388.67
Kaplan, B. D., & Co	2,251.92
Klepper, S	58.62
Lewis, A., Thread Co	366.00
Manhattan Wiping Rag Co	225.75
Mooney, Arthur J	8.95
Roth, Samuel	103.03
Schlachter, R. I	282.12
Simon Bros	115.62
	15,766.20
Navy yard, Philadelphia, Pa.:	
Jan. 9, 1924—	
Lehrer, Joseph E	720.00
Mar. 4, 1924—	
Benson, A. T., scout executive	5.00
Mar. 5, 1924—	
DeVoe & Glass	23.82
Domage, M	79.44
Goldberg, A	84.81
Kray, A	36.64
Marsh, Mrs. C. A	12.00
New England Fire Appliance Co	125.00
Shelansky, Hyman	68.00
Swift, George T	17.20
	446.91
Apr. 23, 1924—	
Barraclough, H. W	83.50
Blumberg, I	818.75
Citron-Byer Co	252.10
Dreifus & Co	205.22
Eaton, George W., jr	28.00
Federal Waste Material Co	192.72
Goldberg, A	70.07
Navy yard, Philadelphia, Pa.—Contd.	
Apr. 23, 1924—Continued.	
Keystone Sales Products Co	$205.00
Malis Supply Co	164.93
Mills, Frank	135.00
Passaic Salvage & Reclamation Co	566.25
Raph, L	2,678.40
Roberts Bros	2,260.00
Shelansky, Hyman	102.50
Smith, B. H	115.00
Southwark Smelting & Refining Co	48.00
	7,925.44
Apr. 28, 1924—	
Freeling, Robert	50.00
Galbraith, C. C	107.00
Hueber Supply Co	46.00
Oetzel, Rudolph W	52.00
Sherman, Theo	142.00
Wrangel, Ernest	15.00
Young, William	15.25
	427.25
May 21, 1924—	
Abbit Typewriter Co	9.35
Alexander, W. H	16.80
Barraclough, H. W	18.00
Cli, J.	7.20
Eaton, Geo. W., jr	3.26
Federal Waste Material Co	20.02
Goldberg, A	104.45
Kirkley, Henry B	12.50
Knight, W. W	8.61
Martin, E. E	30.00
Miller, A., & Son	13.53
Standard Waste & Supply Co	68.50
	312.22
May 27, 1924—	
DeVoe & Glass	900.00
Edwards, W. A	625.00
Hitners' Sons Co., H. A	2,000.00
Independent Bridge Co	180.00
Myers, M	20.00
Sachsenmaier, Geo., & Co	5,400.00
Shepherd, M. P	16.00
Thompson, jr., C. H	6,112.50
	15,253.50
June 18, 1924—	
Bramell, Benjamin	8.00
Dyer, William F	3.10
Farrington, Thomas J	99.50
Galbraith, C. C	85.00
Hueber Supply Co	98.50
Knoblauch, A. B	2.25
Rudolph, Theo	152.00
Sherman, Theo	281.00
Thomas, Joseph R	35.00
Wortman, Jacob	2,402.00
	3,166.35
June 27, 1924—	
Salvage & Reclamation Co	173.60
July 16, 1924—	
Barraclough, H. W	111.00
Bernstein, M	96.96
Blumberg, I	54.36
Byer, Joseph	352.00
Corner, Edw	3.51
DeVoe & Glass	24.48
Dreifus & Co	109.19
Eaton, George W	12.50
Federal Waste Material Co	127.85
Goldberg, A	29.91
Knoblauch, A. B	4.00
McQuigan, John C	55.70
Perez & Sons, A	3.00
Samusch, Harry	98.96
Scott, John L	68.70
Shelansky, Hyman	30.00
Smith, B. H	275.00
Swift, George T	234.50
	1,691.62

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Philadelphfa, Pa.—Contd.	
July 23, 1924—	
Birkenstein & Sons, S	$165.03
Girard Iron & Metal Co	3,640,33
Miller, Harry	311.61
O'Neill, Patrick	4,741.59
Roberts Bros	7,727.44
United Iron & Metal Co	240.25
General Aluminum & Brass Manufacturing Co	24,447.76
Hitners' Sons Co., Henry A	96.75
Nuttall, John	615.00
Philadelphia Rubber & Reliner Co	15.00
Scott, Thos. J	86.15
	42,086.91
Aug. 27, 1924—	
Jones, L. W	167.50
Sept. 5, 1924—	
Federal Waste Material Co	220.20
Salvage & Reclamation Co	191.45
	411.65
Sept. 17, 1924—	
Eyre, Harry H	1,500.00
Oct. 10, 1924—	
Adelman, Nathan	300.00
Aero Service Corporation	270.00
Ajax Metal Co	289.43
Baltimore Salvage Co	45.00
Benjamin, Harry	90.00
Bernstein, M	41.00
Blumberg, I	40.00
Boadwin, M	300.00
Camden Salvage Co	190.00
Copeland, Hugh	154.62
Eaton, R. R	280.00
Faunce, Benjamin R	40.00
Federal Waste Material Co	55.00
Feinberg, David	3,416.93
Goldberg, I	1,550.00
Goldstein, Herman	156.40
Grossman Electric Co	50.00
Hitners' Sons Co., H. A	1,040.75
Howard Supply Co	57.45
Johnson, P. J	116.00
Kaufman Sons Co., David	12,539.93
Klaff Co., H	915.93
Leavitt, Louis	20,350.71
Lipsitz Co., J	2,455.55
Luria Bros. Co	111.94
Lynch, J. J	336.90
Mills, Frank	19.00
Myers, M	147.00
Oregon Iron & Metal Co	72.10
Pedu, Alex A	40.00
Ray, F. F	37.00
Riley, E. J	115.00
Richie, R. F	6,250.00
Roberts Bros	2,586.89
Rosenfield, G. F	85.00
Schapiro, M., Boston Iron & Metal Co	23,043.92
Schenck, J. Ernest	150.00
Sherman, Theodore	25.00
Smith, Ralph K	60.00
Southland Jobbing House	155.00
Southwark Smelting & Refining Co	686.79
Star Smelting & Refining Co	4,307.75
Sternberg & Co., S	1,849.95
Tunis, W. H	155.00
Wells, F. C	619.71
Wilson Chemical Co	563.58
Wood, Robert W. A	25.00
Wright, Philip E	5,720.38
Zeiser, P. & J	167.00
	92,074.61
Oct. 30, 1924—	
Pezenik, Julius	695.00
Navy yard, Philadelphia, Pa.—Contd.	
Nov. 20, 1923—	
Coyle, James V	$26.10
Davis, G. H	46.50
Doelling, G. Ernest	27.00
Eaton, George W., jr	8.00
Goldberg, A	.77
Keystone Iron & Metal Co	465.00
Knoblauch, A. B	2.50
McHale, Cecilia	20.00
Shelansky, Hyman	98.00
Weil, Benjamin	237.69
	929.56
Nov. 29, 1924—	
Pezenik, Julius	225.00
Dec. 20, 1924—	
Eyre, Harry H	3,500.00
Jones, Frank R	275.00
	3,775.00
Naval powder factory, Indianhead, Md.:	
Mar. 11, 1924—	
Covert, Mrs. May G	60.00
Apr. 29, 1924—	
Rosenfeld, G. F	150.00
Oct. 13, 1924—	
Name of bidders not given	76.40
Navy mine depot, Yorktown, Va.:	
Oct. 6, 1924—	
Curtis, S. R	69.80
Naval ordnance plant, South Charleston, W Va:	
Oct 28, 1924—	
Names of successful bidders not given	1,440.00
Feb. 11, 1925—	
Rose Brothers Co	79.00
Navy yard, Norfolk, Va.:	
June 21, 1923 (garbage)—	
Royal, Ira C	220.31
Dec. 11, 1923—	
Baltimore Iron & Metal Co	883.87
Block & Co., N	291.20
Wamsley, P G	61.38
	1,236.45
Dec. 12, 1923—	
Atlas Steel & Iron Corporation	415.53
Boston Iron & Metal Co	3,987.32
Baltimore Iron & Metal Co	50.00
Block & Co., N	1,036.37
Chenman, L	2,177.13
New Haven Iron & Metal Co	214.80
Romer, M	340.50
	8,221.65
Dec. 28, 1923—	
Blanton, O. R	226.00
Cashin, M T	132.24
Clark, M. L	37.61
Seidler, Henry	187.65
Lawson & Newton	405.00
	988.50
Jan. 9, 1924—	
Baker, S	19.56
Brumsey, H. A	4.40
Cashin, M T	1.058.23
Casteen, J. T	2.08
Gutterman, S	100.00
Hanvey, J. T	.83
Howard Supply Co	89.67
Hulcher, F. J	2.52
Kreger, J	47.81
Lipman & Co	44.50
Navy Store	32.52
Radio Material Corporation	60.00
Regar, S. M	11.60
Schloss Bros	118.20
Sesley, A. S	2.33
Soroko, M. & H	2.55
Stormont, D	20.30
	1,617.10

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Norfolk, Va.—Continued.	
Jan. 10, 1924—	
Benjamin, H	$318.12
Cashin, M. T	90.76
Casteen, John T	2.71
Edwards, E. W	62.50
Einstein, Ben	37.00
Fentress, jr., A. E	180.29
Fountain, W. B	19.05
Mitachell, Frank	28.43
Navy Store	38.88
Normayle, John T	25.00
Soroko, M. & H	3.25
	805.99
Feb. 5, 1924—	
Nassau Smelting & Refining Works	33,135.65
Feb. 8, 1924—	
Baker, S	12.05
Baltimore Salvage Co	184.30
Block & Co., N	53.54
Cashin, M. T	67.41
Chenman, L	122.14
Ducey, C. H	9.18
Fentress, jr., A. E	73.54
Fitchette, L. D	28.19
Godwin, B. W	224.40
Harrell, Brooks	4.80
Howard Supply Co	573.28
Kelly, B. A	5.35
Lipman & Co., I	42.01
Massey, Frank J	12.50
Onancock Concert Band	101.60
Printcraft Press (Inc.)	7.51
Regar, S. M	91.60
Slaughter, T. C	10.50
Seitzinger's Sons, Thos. F	15.00
	1,638.90
Feb. 12, 1924—	
Block & Co., N	80.78
Cashin, M. T	97.14
Federal Waste Material Co	145.98
Fentress, jr., A. E	105.58
Gutterman, S	40.37
Hettleman & Co., K	125.28
Howard Supply Co	394.86
Jennings, Miles	51.66
Navy Store	29.64
New England Fire Appliance Co	10.00
Regar, S. M	56.75
Schloss, Jos	66.76
Sears, M. H	53.58
Seitzinger's Sons	65.85
	1,324.23
Feb. 26, 1924—	
Block & Co	1,186.10
Cambridge Iron & Metal Co	664.86
Chenman, L	7,275.00
Hunsberger, Henry	1,200.00
Hurst & Drake	575.00
Klaff & Co., H	1,494.57
Lipsitz & Co., J	690.44
	13,085.97
Feb. 27, 1924—	
Pearman, K. V	337.77
Mar. 3, 1924—	
Anderson, W. S	18.00
Atlas Steel & Iron Corporation	674.58
Barnes, L. E	6.66
Block & Co	90.13
Brown, R	3.00
Cashin, M. T	100.89
Casteen, John T	48.43
Chenman, L	105.50
Gutterman, S	154.88
Hanvey, J. T	4.70

Navy yard, Norfolk, Va.—Continued.	
May 3, 1924—Continued.	
Hurst & Drake	$261.06
Hurley, James	11.00
Navy Store	36.64
Pearman, K. V	29.54
Scott, Thomas J	900.00
Sears, M. H	2.26
Swink, Charles H	13.60
United Iron & Metal Co	20.26
Wamsley, P. G	100.00
Whitley, W. J	42.71
	2,623.87
Mar. 12, 1924—	
Forrest & Dunn	813.00
Hurst & Drake	404.20
Johnson Motor Products (Inc.)	376.55
Stomberg, Charles	61.00
	1,654.75
Mar. 20, 1924—	
Berkley Machine Works & Foundry Co	675.00
Block & Co., N	305.00
Burton, G. H	275.00
Cashin, M. T	14.00
Etheridge, H. P	62.00
Jennings, Miles	57.00
Lipman & Co	195.50
McGuire, F. P	317.50
Mitchell, F. W	18.00
Nemirovsky, F	2,385.00
Neweill, W. A	250.00
Regar, S. M	565.50
Richard Machine Works	837.50
Schwartz, Sam	1,200.00
Wood, J. D	880.00
	8,037.00
Apr. 2, 1924—	
Cashin, M. T	126.44
Etheridge, E. P	48.75
Einstein, Ben	393.65
Federal Waste Material Co	404.39
Godwin, B. W	49.80
Hurst & Co	537.79
Hurst & Drake	412.70
McDermott, P. F	288.00
McGuire, F. J	1,628.00
Marshall, W. J	2.00
Navy Store	53.76
Portsmouth Bag Co	5.35
Smith, K. H	5.00
Tidewater Sale Corporation	436.00
	4,391.63
Apr. 4, 1924—	
Atlas Steel & Iron Corporation	123.86
Blumberg, I	259.33
Block, N. & Co	114.00
Brinson, S. W	37.66
Cashin, M. T	456.73
Etheridge, H. P	21.58
Federal Waste Material Co	71.16
Fentress, A. E., jr	69.76
Godwin, B. W	102.45
Hurst & Co	314.22
Hurst & Drake	138.13
Jewell, B. E	7.63
Jacobson, Ben	1.01
Klein, Nathan & Co	12.00
Marshall, W. J	2.00
Navy store	106.64
Regar, S. M	117.95
Schloss Bros	282.46
Tidewater Sales Corporation	3.60
Virginia Bag Co	317.27
Whaley, Edward A	232.74
	2,792.18

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Norfolk, Va.—Continued.	
Apr. 16, 1924—	
Gee, Nathaniel	$50.00
Apr. 29, 1924—	
Block, N., & Co	2,650.98
Bardach Iron & Steel Co	770.75
Casteen, John I	80.50
Filkelstein, I	2,832.49
Hirsch, Benjamin	8,068.76
Klaff, H., & Co	620.00
Luria Bros. & Co	759.21
Lipsitz Co., J	1,499.53
Passaie Salvage & Reelamation Co	988.00
Washington Paper Works	324.58
	18,594.80
May 8, 1924—	
Baker, S	12.18
Cashin, M. T	616.73
Chenman, L	586.27
Ennis, Frank G	20.00
Fentress, A. E	2.21
Hanvey, J. T	25.00
Hurley, James	12.00
Hurst & Drake	364.38
Howard Supply Co	154.07
Navy store	18.88
New England Fire Appliance Co	70.00
Stubbs, W. C	16.50
Standard Waste & Supply Co	413.94
	2,312.16
May 13, 1924—	
Abbit Typewriter Co	101.60
Airplane & Motor Supply Co	266.00
Burke, Norbert J	302.00
Cashin, M. T	794.69
Fentress, A. E., jr	381.18
Fournier, R. B	65.00
Hurst & Drake	255.86
Howard Supply Co	15.01
Hobbs, Lewter F. (Inc.)	152.50
Marshall, W. J	4.00
Regar, S. M	24.00
Swink, Charles H	17.50
White, E. D	55.67
	2,435.01
May 16, 1924—	
Davis, James	40.00
Ferebee, John	25.00
Fentress, A. E., jr	251.09
	316.09
May 19, 1924—	
Curtis, John Hughes	479.99
Goddin, H. H	35.00
Hunsberger, H. W	31.65
Hurst & Drake	241.86
	788.50
May 27, 1924—	
Nicholson, Williard	80.00
June 5, 1925—	
Felton, W. Q	65.00
June 18, 1924—	
Block, N., & Co	24.00
Baltimore Salvage Co	10.00
Cashin, M. T	12.00
Etheridge, H. P	810.00
Frank, H., & Sons	7.00
Golanty, H	92.00
Hurst & Drake	18.00
Krcger, J	2.00
	975.00

Navy yard. Norfolk, Va.—Continued.	
June 19, 1924—	
Atlas Steel & Iron Co	$2,891.92
Baltimore Salvage Co	90.00
Bercowitz, P	13.75
Block, N., & Co	250.00
Cashin, M. T	264.00
Chenman, L	1,747.58
Cohen, A. B	41.00
Cordes, F. W	275.00
Fentress, A. E	14.50
Frank, E., & Son	1,826.90
Goodyear Raincoat Sales Co	21.00
Golanty, E	369.00
Goldberg, Harry	10.00
Gutterman, S	390.95
Hurst, E	45.00
Hurst & Drake	398.71
Jennings, Miles	107.00
Klein, Nathan	241.36
Kreger, J	66.75
Lipman, I	317.00
Lipsitz, J., & Co	305.00
Myers, M	530.30
Mitchell, F. W	134.50
Regar, S. M	514.50
Rosenblatt, William	868.55
Southland Jobbing House	21.50
Scott, T. J	611.80
Tarr, L. A	45.00
United Iron & Metal Co	1,331.66
Virginia Bag Co	75.00
Wanner, G. W	1.00
Washington Salvage Co	14.00
	13,834.23
July 25, 1924—	
Fisheries Commission, State of North Carolina	1,000.00
July 30, 1924—	
Casteen, J. T	6.01
Cashin, M	111.50
Curtis, J. H	193.22
Davis, E. F	50.00
Dosh, O. S	350.00
Grimes, F	383.10
Hurst & Drake	513.72
Mansfield, Dennis	110.00
	1,717.55
Aug. 21, 1924—	
Hurst & Drake	257.18
Lewis, H. T	56.15
	313.33
Sept. 15, 1924—	
Cashin, M	319.27
Flatten, A. J	490.00
Hand, J. G	149.57
Hurst & Drake	98.76
Moorehead, H. M	187.68
Miller, J. H	135.00
Rapley, W. W	151.00
	1,531.28
Oct. 9, 1924—	
Boone, Gable	152.00
Oct. 22, 1924—	
Casteen, J. T	16.09
Felton, W. Q	170.00
Gee, Nathaniel	30.50
Grimes, J. H	7.50
	224.09

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Charleston, S. C.:	
July 11, 1924—	
Smith & Co., W. M	$70.00
Sept. 22, 1924—	
North States Lumber Co	750.00
Oct. 13, 1924—	
North State Lumber Co	1,850.00
Dec. 2, 1924—	
Breman, M. L	6,864.58
Burns, W. B., & Sons	262.00
Charleston Steel & Metal Co	2,645.14
Chatham Junk Co	24.75
Corvette, J. E	39.50
Eichelbaum, M	1,032.57
Federal Waste Material Co	2,050.00
Fechter, Aaron	277.50
Florida State Hospital	404.70
Garfinkle, H. L	327.80
Goldberg, I	1,423.00
Goldberg, N	106.00
Heine, Miss L	24.30
Hepler, J	32.85
Levkoff Bros	4,497.78
Lively, L. L	177.00
Livingstain, Harris	113.50
Miller, W. L., Metal & Rubber Co	4.00
Reznick, H	18.00
Robert Bros	955.66
Roper Hospital	365.75
Safel, Joe	490.82
Seitzinger, Bros	517.40
Shapiro, B	2,487.60
Schoenberg, L	49.00
Stern, G	147.50
The Carolina Co	265.00
The Hirsch Co	80.44
Trout, George W	1,551.50
Weldon, John Ryan	44.00
Whaley, H. S	270.00
Weber, S. C., Iron & Steel Co	1,984.86
Wolfson, M., & Co	439.16
	29,973.66
Naval station, Key West, Fla.:	
Dec. 5, 1924—	
Gwynn, Harry	11.00
Roberts, H. H	45.00
Thompson, N	15.00
Watrous, W	6.00
	77.00
Apr. 10, 1925—	
Berkowitz, P	85.00
Illinois Smelting & Refining Co	56.00
Meltzer, I. N	30.00
Mastragani, Frank	16.75
The Oversea Co	34.90
	222.65
Naval air station, Pensacola, Fla.:	
July 29, 1924—	
Dilger, L. L	30.55
Parker, C. H	23.50
	54.05
Aug. 29, 1924—	
Pensacola Electric Co	25.00
Dec. 8, 1924—	
Adler, J	3,567.85
Bremen, M. L	6,831.00
Capital Hide & Metal Co	799.76
Florida State Hospital	90.50
Harris, Benjamin J	3,738.60
Huff, J. C	100.00
Marine Junk Co	4.00
Norcd, J. B	10.00
Scales, W. T	546.00
The Electric Shop (Inc.)	25.00
Trout, George W	58.00
	15,770.71
Naval station, Key West, Fla.—Contd.	
Mar. 11, 1925—	
Bell, S. H	$30.00
Capital Hide & Metal Co	5.00
Nored, J. B	21.00
	56.00
Naval training station, Great Lakes, Ill.:	
June 23, 1924—	
Gordon Wrecking Co	2,550.00
June 30, 1924—	
Diamond Iron & Metal Co	373.17
July 30, 1924—	
Little F. H	728.00
Wood, Gar (Inc.)	24,325.00
Yackey Aircraft Co	628.00
	25,681.00
Aug. 18, 1924—	
Lieberman, S	6,200.00
Sept. 15, 1924—	
Petronek, Walter	60.00
Oct. 15, 1924—	
Mekalovasky, Roman	90.00
Apr. 24, 1925—	
Behn, Meyer	5,135.00
Gordon Wrecking & Lumber Co	6,767.00
	11,902.00
Naval station, New Orleans, La.:	
Apr. 10, 1923—	
Custodian, United States Custom-house	375.50
Dec. 10, 1924—	
Bostrom, Charles W	61.70
Naval training station, San Diego, Calif.:	
June 30, 1924—	
Nason Sales Co	15.52
June 30, 1925—	
Nason Sales Co	107.58
June 30, 1925—	
Johnson, B. H	24.42
Sept. 2, 1924—	
Taylor, E. S	675.00
June 20, 1924—	
San Diego Rubbish Co	200.00
June 20, 1924—	
Nason Sales Co	44.58
Mar. 10, 1925—	
Names of successful bidders not given	4,642.95
June 30, 1925—	
San Diego Rubbish Co	100.00
Eleventh Naval District, San Diego, Calif.:	
July 1, 1924—	
Name of bidder not given	16.02
Naval operating base, San Diego, Calif.:	
July 15, 1924—	
California Junk C	526.00
San Diego Junk Co	18.95
	544.95
July 25, 1924—	
Alpert, J. A	290.20
California Junk Co	388.22
City Junk Co	3.05
Pacific Coast Loan Office	45.00
	726.47
Aug. 15, 1924—	
Alpert, J. A	253.75
Fink, George	21.00
Reliable Junk Co	122.10
Solomon Iron & Metal Co	436.00
	832.85

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Naval operating base, San Diego, Calif.—Continued.	
Sept. 5, 1924—	
Alpert, J. A	$671.62
Boyd, B. B	3.00
City Junk Co	93.87
Neumann Funriture Co	261.15
Reliable Junk Co	147.00
Solomon Iron & Metal Co	25.50
Thompson, R. A	75.00
	1,277.14
Sept. 20, 1924—	
City Junk Co	164.00
Reliable Junk Co	604.95
Shelley Bros	44.16
	813.11
Eleventh Naval District, San Diego, Calif.:	
July 1, 1924—	
Johnson Bros	62.00
Oct. 4, 1924—	
List of bidder not given	429.86
Naval operating base, San Diego, Calif.:	
Oct. 25, 1924—	
Alpert, J. A	7.75
California Junk Co	91.50
Fink, George	16.50
Reliable Junk Co	5.00
Sacks, Abe	75.50
Shelley Bros	377.44
	573.69
Nov. 20, 1924—	
California Junk Co	2.55
Fink, George	7.10
Solomon Iron & Metal Co	389.25
Reliable Junk Co	178.75
	577.65
Dec. 5, 1924—	
Alpert, J. A	794.40
California Junk Co	4.50
Solomon Iron & Metal Co	9.80
	808.70
Naval supply depot, Eleventh Naval District, San Diego, Calif.:	
Dec. 18, 1924—	
Banks, Arthur	35.00
Brackett, R. W	38.00
Burton, F	65.00
California Junk Co	3,430.20
City Junk Co	835.25
City of San Diego	865.00
Collins, W. H	440.00
Cross, H. H	101.00
50–50 Auto Exchange	50.00
Gregg, K. L	25.75
Grier, W. J	50.00
Hagar, C. W	408.00
Hartwig, G. H	11.00
Hoffman, S. E	60.00
Jeffrey, E. R	40.00
Keeny, G. C	45.00
Kennedy, H. B	26.00
Lawhorn, H. P	51.00
Lower California Fisheries Co	355.00
McClure, V. F	45.00
Mintzer, L. M	76.00
Neilson, M	25.00
Neumann Furniture Co	37.50
Original French Laundry	60.00
Reynolds, W. P	40.50
Rubin, I	98.60
Shand, G. E	95.50
Smith, G. C	245.00
Solomon Iron & Metal Co	424.40
Steffgen, F. W	4,100.00
Naval supply depot, Eleventh Naval District, San Diego, Calif.—Contd.	
Dec. 18, 1924—Continued.	
Tompkins, S	$45.00
Warner, R. L	30.00
Western Sale Co	50.00
Whitehead, P	453.98
Whiting Mead Commerical Co	25.05
Wright, C. W	134.25
Zahn, O. F	23.20
	12,938.18
Jan. 5, 1925—	
Allen, L. J	15.00
City Junk Co	509.03
Donnitz, I. L	82.80
Firks Junk & Auto Wrecking Co	396.35
Neumann Furniture Co	487.75
Sante Fe Junk Co	60.00
Solomon Iron & Metal Co	764.25
	2,315.18
Eleventh Naval District, San Diego, Calif.:	
Feb. 5 and 9, 1925—	
Names of bidders not given	37.32
Feb. 26, 1925—	
Names of bidders not given	427.99
Mar. 5, 11, 16, 1925—	
Names of bidders not given	56.97
Mar. 14, 1925—	
Peterson, H. H	50.00
Mar. 25, 1925—	
City Junk Co	36.78
Cooper & Nelson	182.40
Firks, H	196.35
Karnofski, A	15.50
Rubin, I	18.25
Reliable Junk Co	239.55
Solomon Iron & Metal Co	3.10
Tompkin, Sam	8.20
	700.13
Mar. 25, 1925—	
City Junk Co	3,120.03
Naval supply depot, Eleventh Naval District, San Diego, Calif.:	
Apr. 15, 1925—	
City Junk Co	37.51
Reliable Junk Co	113.65
Shelley, Abe	42.42
	193.58
May 6, 1925—	
Kirsner, J. P	3,006.30
May 5–18, 1925—	
City Junk Co	1,908.75
New York Loan Co	8.00
Solomon Iron & Metal Co	12.00
Tompkin, S	16.40
Whiting-Mead Commercial Co	213.00
	2,158.15
June 6, 1925—	
Firks Junk & Auto Wreck Co	314.68
June contract No. 2, 1924–25—	
Nason Sales Co	57.28
Contract No. 1, 1924–25—	
Johnson Brothers	183.00
Navy yard, Mare Island, Calif.:	
Mar. 21, 1924—	
Allender, B. J	127.50
Benson, B. L	66.00
Balfour, D. E	25.00
Barder, J	3,042.50
Beeson, E. W	215.00
Berger, H. M	216.00

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy yard, Mare Island, Calif.—Con.	
Mar. 21, 1924—Continued.	
Blair, E. P	$8.00
Burstein, H	288.00
Carhill Bros	800.00
Clark, Lewis H	5.00
Commercial Trading Co	1,455.00
Cooper, P	690.00
Corders, F. W	170.00
Crawe, J. J	85.00
Davis, D	46.00
DeCamp, C. E	160.00
Dubois, H. V	52.00
Ewing, H. M	605.00
Easdale, David	511.00
Farmer, C. M	170.00
Foulde, J. R	294.50
Gardner, D. M	215.00
Gutleben, John S	15.00
Ghigliatti, R. A	180.00
Godfrey, H. G	120.00
Great Western Smelting & Refining Co	26,312.27
Grieve, R. G	85.00
Hathaway, Loenard	35.00
Hartman, George	47.50
Hicks, Frank A	1,057.50
Hirshfield, L. H	170.00
Haughton, F. C	12,867.77
Hymer, W. E	430.00
Ince, Thos. H	63.00
Jones, J. E	77.50
Jones, F. M	40.50
Knease, Geo. W	2,602.50
Knight, Allen	175.00
Learner & Rosenthal	10,754.50
M. Levin & Sons	15,636.62
Lokey, E. R	98.00
Lauricella, J	185.00
Markawitz, Ed	98.50
Martin, J. G	10.00
Manthey, Bros	42.50
Merrill, R. M	5.00
Mendelson & Bauer	5,421.26
Moffitt, George W	772.50
Nathan, L	1,857.50
National Smelting Co	2,890.00
Norvall, L. O	47.50
Neft, J	318.00
Olsen, Otto K	160.00
Johnson, G	350.00
Perry, J. F	125.00
Piercy, R. B	88.00
Roth & Sons, H	1,330.00
Rosenberg Iron & Metal Co	40.00
Rosencounts, G	542.00
Ryer, M	675.00
Rosenthal, Louis	920.50
Saylor, B. F	341.00
Schwartz, M. J	11.50
Simon, J. G	125.00
Simon, J., & Bro	1,112.50
Simons, Mayer	7,670.93
Sneve, H. A. B	40.00
Stratiner, I	1,075.00
Summerfield, A. J	93.50
Uttal Trailing Corporation	4,699.89
Uhl, E. H	463.50
Wentworth, F. W	70.20
Whitehead, I	30.00
Wilson, Henry J	131.50
Bidell Steinberg Co	72.00
	111,829.44
August 5, 1924—	
Buckley, Daniel R	296.00
Burstein, N	285.60
Coleman, J	840.00
Cooper, Paul	898.05
Davidson, M	44.28
Diller, J	1,851.44
Edwards, R. D	60.00
Gantz Machinery & Pipe Co	508.50
Gioja, E	92.50
Great Western S. & R. Co	21,405.92
Hamlin, H. G	185.00
Hicks, Frank A	605.00
Navy yard, Mare Island, Calif.—Con.	
August 5, 1924—Continued.	
Jacobs, H. L	$249.00
Kirby, J. T	40.00
Kneass, G. W	195.00
Kreiger, H	222.50
Learner & Rosenthal	21,247.78
M. Levin & Sons	2,068.64
Mahoned, Thomas	14.50
Mendelson & Bauer	278.74
Moffit, G. W	462.50
Republic Steel Co	1,946.88
Rothenberg, Louis	8,789.32
Shapiro, A	220.00
Shouse, Berry	87.50
Silberman, L. H	1,467.81
Smith, John W	55.00
Weissbaum, George	100.00
	64,517.46
Jan. 15, 1925—	
Babst, Jim	135.00
Bercovich, A. A	1,120.86
Berger, Harry M	25.00
California Pipe Co	200.00
Commercial Trading Co	945.00
Cooper, Paul	829.00
Coryea	34.00
Davidson, M	335.00
Draeger, George	2,121.53
El Paso Wrecking Co	3,550.00
Ewing, H. M	625.00
Federated Metals Corporation	12,300.75
Gantz Machine & Pipe Co	1,608.19
Levin & Sons, M	4,003.29
Learner & Rosenthal	44,722.40
Levy, W. H	60.00
Lewis, M. (forfeited)	175.00
Manthey, C. E	200.00
Menddson & Bauer	947.54
Moffitt, George W	168.00
Meyers, Wm	150.00
Marc Lafee and Nat Abraham	470.00
Neider, M	235.00
Pacific Iron & Metal Co	656.70
Prather, C. B	825.00
Rosenthal, L	1,610.00
Roth & Sons, H	3,018.50
Shapiro Iron & Metal Co	1,214.44
Shauman, I	160.00
Simon & Bro., Jr	145.00
Stein, Max	96.10
Sussman, Joseph	411.50
United Commercial Co	95.00
Utall Trading Corporation (forfeited)	50.00
Waxman, J	43.20
Western Junk Co	640.00
Weston, S. H	45.00
Willock, L	30.00
	84,001.00
Navy yard, Puget Sound, Wash.:	
June 30, Sept. 6, and Oct. 29, 1924—	
Boy Scouts	70.00
Mar. 5, 1924—	
Anderson, N. C	55.00
Barde Steel & Machinery Co	189.55
Behrens, H. A	80.50
Berg, P	5.00
Blatt, J	13.25
Broom, George	227.00
Commercial Trading Co	742.26
Corders, F. W	109.00
Crook, James	63.50
Donnell, W. H	11.00
Erickson, Olie	5.00
Goldberg, A	681.40
Goodwin Furniture Co	33.50
Griffiths, H. B	392.00
Henderson, Sam	269.76
Hunt, A. M., & Son	243.10
Ingraham, E. S	4.25
Jensen, B. H	5.00
Johnson, T. F	155.00
Keystone Trading Co	259.20

Statement 32.—PURCHASERS OF CONDEMNED PROPERTY, FISCAL YEAR 1925—Continued

Navy Yard, Puget Sound, Wash.—Con.	
Mar. 5, 1924—Continued.	
Manson, P	$58.00
Marts, Carl C	270.00
Moore, F. W	41.75
Neider & Marcus	245.10
Price, W. Montelius, Co	52.00
Parrott, R. R	230.00
Rex Metal Works	11,989.78
Salzman, J	114.50
Simon, J., & Bro	32.50
Sterling Machinery Co	1,175.00
Tacoma Junk Co	11,679.70
Tacoma & Roche Harbor Lime Co	330.60
Tietje, E. H	11.00
Weymouth, Ralph	162.00
Williams, Q. H	6.00
	29,942.20
Naval station, Guantanamo Bay, Cuba:	
Aug. 24, 1924—	
Name of bidder not given	55.00
Naval station, Guam, M. I.:	
July 18, 1924—	
Johnston, W. G	84.25
Sept. 12, 1924—	
Herrero, V. P	180.00
Feb. 17, 1925—	
Atkins, Kroll & Co	26.01
Naval operating base, Pearl Harbor, Hawaii:	
Sept. 3, 1924—	
Oahu Junk Co	2,083.05
Sept. 30, 1924—	
Kanehiro, S	292.94
Dec. 31, 1924—	
Kanehiro, S	298.89
Jan. 6, 1925—	
American Factors (Ltd.)	25.00
Kawato, S	2.50
Kyoyei Shokwai (Ltd.)	16,689.31
Levin, M	432.07
McGregor, Daniel P	2.25
Oahu Junk Co	28.50
Olsen, James	25.50
	17,205.13
Mar. 7, 1925—	
Farm, C. B	25.00
Mar. 31, 1925—	
Kanehiro, S	266.31
Naval operating base, Pearl Harbor, Hawaii—Continued.	
May 31, 1925—	
Kanehiro, S	$147.06
June 30, 1925—	
Kanehiro, S	142.36
Naval station, Cavite, P. I.:	
Oct. 21, 1924—	
Vegano, A	8.00
Picornell, A	59.50
Matson, H	46.50
San Miguel Brewery	201.00
Levett, A	164.00
Henick, J	10.50
Scanlan, J. P	80.50
Base, Jose	215.50
Lee, Tan Sick	5,488.32
Ong Che	867.23
Lauritsen, B. M	12.50
Koses	41.50
Descals, V	168.00
Joe's Auto Repair Shop	53.50
Green, B. A	252.50
Kessel, Joe W	17.50
Bon, Chong	16.00
Se, Yap	117.46
Jose, F	553.50
Harris, Myer	450.00
Tirons, Carlos	14.00
Ay, Yu	242.50
Chic, Yu	7.75
Villamarin, O	16.50
Yao, Chang	2.00
	9,106.26
Naval station, Olongapo, P. I.:	
Apr. 19, 1924—	
Hess, Carl	1,286.08
Aug. 25, 1924—	
Chervenka, E. M	9.00
Naval Detachment, Santo Domingo:	
Aug. 22, 1924—	
Department of Public Works	70.20
Gosling, H. H. & Co	154.90
La Comercial e Industrial	255.00
Nanita, M. E	100.00
Wilson, O. J	2.00
	582.10
Sale of hulks, 1924—	
Name of bidders not given	40.00

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925

Vessels	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
Grand total	$1,123,678,396.35	$89,235,218.16	$88,185,284.19	$52,396,778.80	$1,353,495,677.50
BATTLESHIPS, FIRST LINE					
Florida [1]	6,344,625.66	2,639,240.08	1,039,252.28	319,095.21	10,342,213.23
Utah	4,210,023.52	2,792,271.50	1,246,371.55	439,407.11	8,688,073.68
Wyoming	4,749,256.29	3,503,092.33	1,345,148.66	505,354.26	10,102,851.54
Arkansas	5,071,729.92	3,305,186.98	1,377,652.71	482,969.09	10,237,538.70
New York [1]	6,235,951.01	3,456,630.96	1,577,903.28	411,051.17	11,681,536.42
Texas	5,944,239.97	3,429,200.41	1,551,070.90	468,062.33	11,392,573.61
Nevada	6,119,165.51	3,805,395,93	1,617,844.62	524,108.10	12,066,514.16
Oklahoma	6,292,760.54	3,838,846.45	1,572,385.74	490,287.73	12,194,280.46
Pennsylvania	7,363,989.39	4,372,247.04	1,907,989.07	557,588.49	14,201,813.99
Arizona [1]	6,825,571.83	4,254,370.06	1,767,293.34	517,573.95	13,364,809.18
New Mexico [1]	9,363,116.92	3,917,144.42	2,153,263.09	575,340.36	16,008,864.79
Mississippi	7,616,874.74	4,141,723.67	2,541,711.58	598,431.72	14,898,741.71
Idaho	7,990,100.51	3,808,544.58	2,360.066.34	526,406.37	14,685,117.80
Tennessee [1]	13,992,073.71	3,949,628.08	2,332,197.26	676,130.49	20,950,029.54
California [1]	15,394,636.66	4,420,380.17	2,528,156.52	890,467.09	23,233,640.44
Colorado	17,600,556,51	3,987,505.85	4,927,809.33	725,735.49	27,241,607.18
Maryland	18,035,236.37	4,078,519.95	4,570,510.14	826,313.14	27,510,579.60
West Virginia	16,089,757.42	3,976,965.36	5,737,834.01	854,943.97	26,659,500.76
Total	165,239,666.48	67,676,893.82	42,154,460.42	10,389,266.07	285,460,286.79

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessels	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
CRUISERS, SECOND LINE					
Charleston	$2,858,138.45	$309,095.71			$3,167,234.16
Charlotte	3,773,486.92	1,005,893.35			4,779,380.27
Frederick	3,983,738.28	891,135.88			4,874,874.16
Huntington	3,980,710.34	904,506.17			4,885,216.51
Huron	3,858,169.95	876,990.63	$333,809.08	$376,781.28	5,445,750.94
Missoula	3,679,465.56	1,101,623.64			4,781,089.20
Pittsburgh	3,951,409.22	905,677.02	463,932.71	299,834.15	5,620,853.10
Pueblo	3,960,664.29	871,277.09	225,260.15	155,097.93	5,212,299.46
Rochester	3,531,007.00	366,833.32	240,264.90	212,829.08	4,350,934.30
Seattle	4,207,435.12	994,470.52	334,104.45	356,984.44	5,892,994.53
St. Louis	2,851,838.65	321,943.98			3,173,782.63
Total	40,636,063.78	8,549,447.31	1,597,371.29	1,401,526.88	52,184,409.26
LIGHT CRUISERS, FIRST LINE					
Omaha	8,703,805.92	8,717.37	977,639.44	369,010.66	10,059,173.39
Milwaukee	8,540,382.36	7,800.66	735,207.43	370,040.33	9,653,430.78
Cincinnati	8,169,921.94	48,087.73	1,207,226.25	380,083.92	9,805,319.84
Raleigh	7,359,807.14	54,737.73	1,363,114.46	366,407.93	9,144,067.26
Detroit	7,576,456.17	4,730.57	823,860.85	355,899.42	8,760,947.01
Richmond	8,345,852.26	12,800.47	921,589.01	433,623.23	9,713,864.97
Concord	8,348,795.31	45,486.62	1,188,346.76	378,500.04	9,961,128.73
Trenton	8,608,026.71	31,537.76	1,203,738.90	354,005.95	10,197,309.32
Marblehead	8,511,883.29	37,533.42	1,239,298.02	327,843.46	10,116,558.19
Memphis	8,829,399.51	37,155.15	1,053,270.21	374,782.83	10,294,607.70
Total	82,994,330.61	288,587.48	10,713,291.33	3,710,197.77	97,706,407.19
LIGHT CRUISERS, SECOND LINE					
Albany	1,207,644.13				1,207,644.13
Birmingham	1,628,352.77	1,603.66			1,629,956.43
Chattanooga	1,374,270.45	4,175.30			1,378,445.75
Chester	1,765,801.84	491.68			1,766,293.52
Cleveland	1,097,071.44	1,248.89	198,873.90	125,060.42	1,422,254.65
Denver	1,134,844.91	1,301.15	108,440.71	108,998.04	1,353,584.81
Des Moines	1,154,002.16	2,254.52			1,156,256.68
Galveston	1,423,628.65	3,222.08	158,457.84	139,116.97	1,724,425.54
New Orleans	1,430,091.59				1,430,091.59
Olympia	2,342,242.79	141,784.75			2,484,027.54
Salem	1,617,226.87	2,098.13			1,619,325.00
Total	16,175,177.60	158,180.16	465,772.45	373,175.43	17,172,305.64
AIRCRAFT CARRIERS, FIRST LINE					
Lexington	23,560,486.69	925,927.13			24,486,413.82
Saratoga	21,314,344.39	1,723,281.74			23,037,626.13
Total	44,874,831.08	2,649,208.87			47,524,039.95
AIRCRAFT CARRIERS, SECOND LINE					
Langley [1]	1,326,111.36		104,448.04	794,807.29	2,225,366.69
MINE LAYERS, SECOND LINE					
Aroostook	1,350,000.00		52,249.31	182,919.22	1,585,168.53
Baltimore	1,546,172.13	8,311.81			1,554,483.94
San Francisco	1,738,257.82				1,738,257.82
Shawmut	1,350,000.00		77,557.75	179,933.19	1,607,490.94
Total	5,984,429.95	8,311.81	129,807.06	362,852.41	6,485,401.23
DESTROYERS, FIRST LINE					
Aaron Ward	1,428,003.70	14,490.33			1,442,494.03
Abbot	1,403,338.93	17.19			1,403,356.12
Abel P. Upshur	1,693,864.64	45,651.60			1,739,516.24
Alden	1,707,206.82	399.66			1,707,606.48

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
DESTROYERS, FIRST LINE—continued					
Allen	$817,001.46	$847.63			$817,849.09
Aulick	1,640,716.02	3,137.54			1,643,853.56
Aylwin	795,391.44	628.84			796,020.28
Babbitt	1,732,321.35	47.73			1,732,369.08
Badger	1,742,436.38	47.73			1,742,484.11
Bagley	1,395,951.02				1,395,951.02
Bailey	1,651,526.83	15,912.07			1,667,438.90
Bainbridge	1,906,890.81	12,959.38	$231,184.93	$65,652.23	2,216,687.35
Balch	783,381.01	614.63			783,995.64
Ballard	1,635,311.47	3,362.71			1,638,674.18
Bancroft	1,642,355.97	3,139.20			1,645,495.17
Barker	1,683,519.16	26,644.38	94,265.74	43,581.78	1,848,011.06
Barney	1,502,426.18	68.25			1,502,494.43
Barry	1,966,340.78	12,930.86	211,995.03	59,147.40	2,250,414.07
Belknap	1,655,680.70	13,121.32			1,668,802.02
Bell	1,499,910.83	4,343.65			1,504,254.48
Benham	765,741.46	446.33			766,187.79
Bernadou	1,552,642.88				1,552,642.88
Biddle	1,559,496.23				1,559,496.23
Billingsley	1,616,950.83	3,245.39	184,079.40	57,971.71	1,862,247.33
Blakeley	1,557,364.94	27.36			1,557,392.30
Boggs [1]	1,048,547.87	2,594.09			1,051,141.96
Borie	1,674,733.50	17,753.75	108,664.28	44,726.63	1,845,878.16
Branch	1,693,299.39	12,931.22			1,706,230.61
Breck	1,609,431.23	12,205.92	177,347.31	56,459.55	1,855,444.01
Breckinridge	1,500,083.68				1,500,083.68
Breese	1,391,687.25	4,102.23			1,395,789.48
Brooks	1,907,578.48	12,996.95	241,993.92	75,233.68	2,237,803.03
Broome	1,678,382.61	399.66			1,678,782.27
Bruce	1,636,632.20	168.17	224,107.82	58,305.48	1,919,213.67
Buchanan	1,428,795.56	14,396.90			1,443,192.46
Bulmer	1,558,194.12	3,138.36	195,317.77	61,067.71	1,817,717.96
Bush	1,366,153.40	13,539.77			1,379,693.17
Caldwell [1]	923,316.41	133.40			923,449.81
Case	1,611,627.73	16,451.88	197,056.23	67,065.46	1,892,201.30
Champlin	1,554,193.58	2,680.05			1,556,873.63
Chandler	1,679,801.57	432.05			1,680,233.62
Charles Ausburne	1,638,490.96	6,474.08	203,563.55	64,996.95	1,913,525.54
Chase	1,624,916.87	292.74	191,121.99	61,618.28	1,877,949.88
Chew	1,545,108.05	6,916.52			1,552,024.57
Childs	1,907,200.23	12,930.86	196,927.20	67,733.15	2,184,791.44
Claxton [1]	1,080,795.21	341.67			1,081,136.88
Clemson	1,702,959.90	12,855.52			1,715,815.42
Coghlan	1,622,382.74	3,528.67	273,829.15	63,710.71	1,963,451.27
Cole	1,496,960.61				1,496,960.61
Colhoun	1,588,200.75	3,618.97			1,591,819.72
Conner	981,919.33	243.11			982,162.44
Converse	1,606,311.54	3,885.49	202,608.24	55,486.27	1,868,291.54
Corry	1,609,612.64	194.12	194,239.33	63,431.34	1,867,477.43
Cowell	1,360,815.37	2,536.49			1,363,351.86
Crane	1,563,523.42	564.60			1,564,088.02
Craven [1]	1,395,978.79	4,004.11			1,399,982.90
Crosby	1,357,194.00	12,229.68			1,369,423.68
Crowninshield	1,420,367.00	38,786.72			1,459,153.72
Cushing	891,626.54	726.39			892,352.93
Dahlgren	1,698,098.34	4,271.33			1,702,369.67
Dale	1,619,568.69	12,336.40	193,364.23	62,587.43	1,887,856.75
Dallas	1,708,294.87	13,373.54	13.09	62,587.11	1,784,268.61
Davis	825,997.41	620.73			826,618.14
Decatur [1]	1,291,345.63		145,802.01	50,311.60	1,487,459.24
Dent	1,541,227.04	521.43			1,541,748.47
Dickerson	1,740,686.26	47.73			1,740,733.99
Dorsey	1,519,594.21	10,386.64			1,529,980.85
Doyen	1,608,419.09	29,179.70	347,061.80	61,747.07	2,046,407.66
Duncan	794,277.06	1,663.20			795,940.26
DuPont	1,558,220.19				1,558,220.19
Dyer	1,555,523.51	4,262.00			1,559,785.51
Edsall	1,673,421.29	399.66	203,560.06	63,527.25	1,940,908.26
Edwards	1,643,284.16	5,244.40			1,648,528.56
Elliott	1,508,703.67				1,508,703.67
Ellis	1,497,155.58				1,497,155.58
Evans	1,396,885.39	10,987.29			1,407,872.68
Fairfax [1]	1,082,132.77	2,022.34			1,084,155.11
Farenholt	1,605,280.74		187,715.33	64,586.98	1,857,583.05

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessels	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
DESTROYERS, FIRST LINE—continued					
Farquhar	$1,641,034.00	$5.03	$169,433.80	$48,642.32	$1,859,115.15
Farragut	1,647,535.25	93.01	203,532.29	65,735.08	1,916,895.63
Flusser	1,608,349.39	87,745.54	182,599.09	61,914.03	1,940,608.05	
Foote	1,367,036.11	3,018.24			1,370,054.35
Fox	1,924,030.22	13,123.88	78,102.36	63,540.80	2,078,797.26
Gamble	1,385,151.96	3,144.38			1,388,296.34
George E. Badger	1,692,944.87	12,971.26			1,705,916.13
Gillis	1,627,363.95	4,902.64			1,632,266.59
Gilmer	1,936,781.23	22,139.98	225,381.33	64,933.95	2,249,236.49
Goff	1,906,590.27	12,930.86	200,053.18	57,485.30	2,177,059.61
Goldsborough	1,695,688.83	4,172.74			1,699,861.57
Greene	1,639,214.64	6,227.88			1,645,442.52
Greer	1,502,942.76	228.50			1,503,171.26
Gregory	1,546,879.11	3,425.42			1,550,304.53
Gridley	1,567,486.33	10,528.20			1,578,014.53
Gwin	879,454.67	5,003.57			884,458.24
Hale	1,414,859.18	15,158.03			1,430,017.21
Hamilton [1]	1,074,335.67	128.43			1,074,464.10
Haraden	1,395,202.91	13,267.82			1,408,470.73
Harding	1,536,706.05	10,810.86			1,547,516.91
Hatfield	1,931,925.63	15,775.21	222,556.73	61,395.11	2,231,652.68
Hazelwood	1,536,359.70	570.54	87,484.43	41,769.77	1,666,184.44
Henshaw	1,608,274.12	9,489.17	178,561.94	56,218.78	1,852,544.01
Herbert	1,732,486.05	47.76			1,732,533.81
Herndon	1,691,162.53	12,924.00			1,704,086.53
Hogan	1,534,611.79				1,534,611.79
Hopewell	1,422,897.11	13,804.63			1,436,701.74
Hopkins	1,899,564.76	23,904.52	186,983.14	81,378.20	2,191,830.62
Hovey	1,676,286.24	401.99			1,676,688.23
Howard	1,529,828.69				1,529,828.69
Hulbert [1]	1,564,333.65	39,784.46	204,087.39	48,175.48	1,856,380.98
Hull	1,622,068.48		205,175.58	64,939.86	1,892,183.92
Humphreys	1,909,257.90	12,963.62	153,414.99	65,270.23	2,140,906.74
Hunt	1,692,186.18	45,782.03			1,737,968.21
Isherwood	1,613,569.45	12,947.96	206,538.61	62,537.75	1,895,593.77
Jacob Jones	1,742,187.33	47.73			1,742,235.06
James K. Paulding	1,917,091.92	12,934.14	387,087.48	59,027.38	2,376,140.92
J. Fred Talbott	1,496,159.96	27.35			1,496,187.31
John D. Edwards	1,674,589.19	17,806.90	101,806.67	55,606.61	1,849,809.37
John D. Ford	1,566,959.48	408.77	218,088.34	62,940.52	1,848,397.11
John Francis Burnes	1,642,356.08	93.64	203,526.12	58,332.22	1,904,308.06
Kalk	1,366,276.98	17,661.26			1,383,938.24
Kane	1,918,779.13	13,123.87	211,982.65	63,775.37	2,207,661.02
Kennedy	1,621,942.12	30.50	216,431.48	63,362.76	1,901,766.86
Kennison [1]	1,091,652.81	239.79			1,091,892.60
Kidder	1,627,485.50		178,990.26	73,416.57	1,879,892.33
Kilty [1]	1,067,261.99	1,128.83			1,068,390.82
Kimberly	1,536,147.44	2,989.64			1,539,137.08
King	1,903,249.75	23,521.09	267,688.66	53,825.61	2,248,285.11
Lamberton	1,403,801.80	4,023.15			1,407,824.95
Lamson	1,622,804.77	15.66	281,360.56	78,951.89	1,983,132.88
Lardner	1,620,676.72	4,481.97	171,156.12	56,170.39	1,852,485.20
Lamb	1,660,687.50	3,006.36			1,663,693.86
La Vallette	1,620,964.91		182,879.62	64,697.67	1,868,542.20
Lawrence	1,890,897.75	14,718.93	254,509.04	88,737.16	2,248,862.88
Lea	1,527,434.55	18,737.00			1,546,171.55
Leary	1,737,867.35	47.73			1,737,915.08
Litchfield [1]	851,169.89	904.37	208,937.62	75,379.23	1,136,391.11
Little	1,517,561.35	8,237.82			1,525,799.17
Long	1,677,808.62	399.66			1,678,208.28
Macdonough	1,621,036.09	204.46	177,339.94	84,511.01	1,883,091.50
Mackenzie	1,534,301.21				1,534,301.21
MacLeish	1,574,233.46	399.66	214,667.27	78,530.06	1,867,830.45
Maddox	1,365,124.48	3,882.07			1,369,006.55
Manley	941,122.80	2,172.62			943,295.42
Marcus	1,626,873.72	160.50	198,468.52	63,269.33	1,888,772.07
Mason	1,694,034.50	13,964.32			1,707,998.82
McCalla	1,657,284.31	5,205.61			1,662,489.92
McCawley	1,614,363.18	20,409.88	175,265.64	60,715.83	1,870,754.53
McCook	1,662,557.31	2,932.57			1,665,489.88
McCormick	1,575,693.12	3,112.64	206,294.56	62,974.59	1,848,074.91
McDermut	1,644,891.23	2,097.43	201,997.41	59,439.58	1,908,425.65
McFarland	1,903,174.19	12,930.87	212,735.39	61,065.66	2,189,906.11

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
DESTROYERS, FIRST LINE—continued					
McKean	$1,564,850.90	$10,472.64			$1,575,323.54
McKee	1,552,909.48	12,611.28			1,565,520.76
McLanahan	1,644,561.02	5,831.92			1,650,392.94
Meade	1,656,563.40	2,146.44			1,658,709.84
Melvin	1,608,400.40		$192,067.48	$71,313.82	1,871,781.70
Meredith	1,370,483.93	13,263.03			1,383,746.96
Mervine	1,625,674.76		228,916.24	65,710.96	1,920,301.96
Meyer	1,616,413.91	28,698.30	177,877.55	57,639.57	1,880,629.33
Montgomery	1,391,045.17	3,150.10			1,394,195.27
Moody	1,612,669.26	28,776.79	342,382.99	59,945.69	2,043,774.73
Morris	1,655,240.65	5,013.93			1,660,254.58
Mugford	1,573,866.77	8,004.52			1,581,871.29
Mullany	1,623,668.47	158.82	218,644.80	69,218.64	1,911,690.73
Nicholson	853,845.93	372.74			854,218.67
Noa [1]	1,457,911.80	39,598.25	193,082.57	50,983.35	1,741,575.97
O'Bannon	1,534,904.11				1,534,904.11
O'Brien	863,984.51	190.23			864,174.74
Osborne	1,615,476.63	26,997.90	185,349.09	55,983.49	1,883,807.11
Osmond Ingram	1,654,749.37	3,860.49			1,658,609.86
Overton	1,906,560.10	21,946.96	217,675.31	59,881.90	2,206,064.27
Palmer	1,368,730.31	2,083.47			1,370,813.78
Parker	762,077.43	459.47			762,536.90
Parrott	1,673,901.40	566.65	286,572.05	73,331.82	2,034,371.92
Paul Hamilton	1,624,196.94	34.29	189,934.84	51,069.46	1,865,235.53
Paul Jones	1,576,558.02	427.03	267,960.45	48,370.25	1,893,315.75
Peary	1,575,745.73	408.77	202,918.46	56,452.50	1,835,525.46
Percival	1,642,317.81	59.39	218,776.05	59,963.47	1,921,116.72
Perry [1]	1,303,533.71	323.11			1,303,856.82
Philip	1,391,505.93	2,448.99			1,393,954.92
Pillsbury	1,674,086.55	408.77	206,494.03	53,613.71	1,934,603.06
Pope	1,575,707.86	408.77	219,078.90	62,743.78	1,857,939.31
Preble	1,632,972.92	14,878.13	204,458.21	59,752.57	1,912,061.83
Preston	1,623,036.31	2,813.84	201,992.33	73,327.67	1,901,170.15
Pruitt	1,587,843.35	15,312.20	170,145.85	47,220.75	1,820,522.15
Putnam	1,640,337.77	3,718.60	195,046.02	61,905.74	1,901,008.13
Radford	1,395,443.75	3,177.23			1,398,620.98
Ramsay	1,380,193.40	3,074.37			1,383,267.77
Rathburne	1,534,759.23	942.43			1,535,701.66
Reid	1,632,707.27	2,072.56	287,890.19	57,882.01	1,980,552.03
Reno	1,642,929.43	16.77	204,755.74	52,167.45	1,899,869.39
Renshaw	1,541,682.52	1,575.40			1,543,257.92
Reuben James	1,902,042.62	12,930.86	230,864.29	79,354.17	2,225,191.94
Ringgold	1,553,033.54	3,720.24			1,556,753.78
Robert Smith	1,636,770.60		256,746.81	72,059.99	1,965,577.40
Robinson	1,568,086.21	12,936.22			1,581,022.43
Rodgers	1,662,258.72	1,926.01			1,664,184.73
Roper	1,504,051.47				1,504,051.47
Rowan	800,907.65	746.84			801,654.49
Sampson	808,705.16	692.34			809,397.50
Sands	1,914,856.44	12,930.86	222,363.23	60,564.03	2,210,714.56
Satterlee	1,692,709.16	13,399.23			1,706,108.39
Schenck	1,745,116.76	47.75			1,745,164.51
Schley	1,546,000.46	1,678.09			1,547,678.55
Selfridge	1,624,990.10		198,344.84	67,845.22	1,891,180.16
Semmes	1,693,929.97	4,356.78			1,698,286.75
Sharkey	1,617,956.49	11,711.97	200,951.44	68,760.88	1,899,380.78
Shaw [1]	695,605.23				695,605.23
Shirk	1,627,173.54		181,749.49	64,208.72	1,873,131.75
Shubrick	1,639,372.04	7,637.78			1,647,009.82
Sicard	1,640,037.00	15,946.99	190,096.84	49,329.67	1,895,410.50
Sigourney	1,518,555.64	5,215.51			1,523,771.15
Simpson	1,576,677.76	399.66	202,070.79	57,606.51	1,836,754.72
Sinclair	1,616,597.67	21,458.89	342,493.15	62,723.04	2,043,272.75
Sloat	1,622,270.55		171,027.08	62,197.86	1,855,495.49
Smith Thompson	1,677,124.00	17,630.58	98,900.94	48,655.34	1,842,310.86
Somers	1,646,846.96	79.48	201,189.85	58,163.73	1,906,280.02
Southard	1,680,847.91	401.99			1,681,249.90
Stansbury	1,535,036.69				1,535,036.69
Stevens	1,559,784.36	12,804.60			1,572,588.96
Stewart	1,576,064.86	408.77	190,398.65	52,942.58	1,819,814.86
Stockton	978,367.64	1,479.50			979,847.14
Stoddert	1,641,706.09	36.32	197,458.82	43,952.16	1,883,153.39
Stringham	1,527,090.94	3,607.76			1,530,698.70
Sturtevant	1,901,362.94	12,930.86	145,356.44	59,992.90	2,119,643.14

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessels	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
DESTROYERS, FIRST LINE—continued					
Sumner	$1,607,940.91		$193,096.21	$73,869.29	$1,874,906.41
Swasey	1,653,655.53	$39,877.68			1,693,533.21
Talbot	1,533,997.92	521.42			1,534,519.34
Tarbell	1,494,443.30	37,312.53			1,531,755.83
Tattnall	1,745,889.71	47.73			1,745,937.44
Taylor [1]	1,165,244.68	3,281.27			1,168,525.95
Thatcher	1,372,204.33	2,370.88			1,374,575.21
Thomas	1,436,637.77	13,267.80			1,449,905.57
Thompson	1,639,887.93	16.11	198,154.96	50,348.61	1,888,407.61
Thorton	1,652,506.61	5,234.33			1,657,740.94
Tillman [1]	1,563,206.49	4,530.51			1,567,737.00
Tingey	1,653,273.91	5,129.23			1,658,403.14
Toucey	1,606,971.38	14,217.55	205,868.77	67,822.73	1,894,880.43
Tracy	1,677,521.41	53,792.37	98,028.04	53,365.75	1,882,707.57
Trever [1]	1,317,694.43	471.52			1,318,165.95
Truxtun	1,567,546.40	408.76	199,562.91	54,467.68	1,821,985.75
Tucker	873,155.90	1,055.44			874,211.34
Turner	1,614,698.67	4,933.02			1,619,631.69
Twiggs	1,731,590.89	47.73			1,731,638.62
Upshur	1,515,570.96	166.88			1,515,737.84
Wadsworth	895,972.31	754.41			896,726.72
Wainwright	842,462.58	900.61			843,363.19
Walker	1,365,668.29	1,392.39			1,367,060.68
Ward [1]	1,073,655.02	1,710.09			1,075,365.11
Wasmuth [1]	1,381,105.28	518.93			1,381,624.21
Waters	1,537,659.18	521.43			1,538,180.61
Welborn C. Wood	1,708,775.34	12,979.86			1,721,755.20
Welles	1,609,319.56	8,703.01			1,618,022.57
Whipple	1,674,187.68	17,630.58	100,151.81	55,165.34	1,847,135.41
Wickes	1,378,784.35	2,133.44			1,380,917.79
Wilkes	802,554.27	838.90			803,393.17
William B. Preston [1]	1,419,190.65	38,314.84	192,604.35	38,189.94	1,688,299.78
William Jones	1,621,856.30		200,426.46	64,983.42	1,887,266.18
Williams	1,566,238.72	1,540.29			1,567,779.01
Williamson	1,914,733.02	12,930.86	164,263.47	68,471.68	2,160,399.03
Winslow	856,100.67	190.38			856,291.05
Wood	1,628,088.88		176,017.34	71,512.24	1,875,618.46
Worden	1,609,899.93	4,785.35	202,676.99	61,990.54	1,879,352.81
Yarborough	1,621,364.72		196,580.60	60,350.96	1,878,296.28
Yarnall	1,500,158.52	112.53			1,500,271.05
Zane [1]	1,340,410.29	688.82			1,341,099.11
Zeilin	1,622,813.56		196,787.91	52,641.87	1,872,243.34
Total	406,024,238.07	1,847,685.20	20,947,188.25	6,430,217.32	435,249,328.84
DESTROYERS, SECOND LINE					
Drayton	643,864.54				643,864.54
Jarvis	641,380.73	251.13			641,631.86
Jenkins	650,712.43	961.24			651,673.67
Mayrant	673,547.02	396.51			673,943.53
Perkins	603,166.04	752.55			603,918.59
Sterett	617,474.90	850.81			618,325.71
Walke	635,827.11	1,089.61			636,916.72
Warrington	663,596.86	414.53			664,011.39
Total	5,129,569.63	4,716.38			5,134,286.01
LIGHT MINE LAYERS					
Anthony	1,536,515.94				1,536,515.94
Burns	1,542,753.89		75,263.29	69,248.74	1,687,265.92
Hart	1,568,880.43		68,186.48	59,678.91	1,696,745.82
Ingraham	1,558,465.66	16.90			1,558,482.56
Israel	1,510,161.88	3,821.61			1,513,983.49
Lansdale	1,514,395.28	14,517.66			1,528,912.94
Luce	1,481,365.26	14,737.17			1,496,102.43
Ludlow	1,564,545.70	1,087.36	78,824.35	64,174.61	1,708,632.02
Mahan	1,521,956.99	13,879.85	73,889.93	50,357.99	1,660,084.76
Maury	1,466,352.72	13,148.98	71,137.06	50,343.48	1,600,982.24
Murray	1,508,900.26	5,629.47			1,514,529.73
Rizal	1,537,295.53	7.34	110,651.01	75,736.71	1,723,690.59
Sproston	1,536,119.98				1,536,119.98
Stribling	1,498,787.74	5,379.57			1,504,167.31
Total	21,346,497.26	72,225.91	477,952.12	369,540.44	22,266,215.73

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
SUBMARINES, FIRST LINE					
S-1	$1,213,273.46		$65,869.71	$11,004.36	$1,290,147.53
S-2	1,787,846.50	$925.08	43,695.25	57,192.61	1,889,659.44
S-3 [1]	1,496,269.53		78,983.96	17,685.32	1,592,938.81
S-4 [1]	1,429,602.90		76,680.14	19,148.26	1,525,431.30
S-6 [1]	1,414,783.11		77,178.48	37,151.15	1,529,112.74
S-7 [1]	1,418,743.25		76,910.29	35,696.73	1,531,350.27
S-8 [1]	1,648,841.31		76,893.00	34,811.95	1,760,546.26
S-9 [1]	1,653,756.35		77,538.60	32,107.51	1,763,402.46
S-10 [1]	1,959,547.89		118,684.58	37,383.01	2,115,615.48
S-11 [1]	1,930,320.10		82,043.95	39,601.54	2,051,965.59
S-12 [1]	1,908,202.94		81,334.88	33,618.17	2,023,155.99
S-13 [1]	1,880,597.33		82,050.21	31,476.75	1,994,124.29
S-14	2,032,367.69	383.22	69,884.34	45,629.44	2,148,264.69
S-15	2,029,247.78	601.00	64,332.94	40,384.55	2,134,566.27
S-16	2,038,917.24	520.79	70,218.31	40,827.92	2,150,484.26
S-17	2,044,522.99	486.36	59,494.69	20,145.22	2,124,649.26
S-18	1,779,486.42		81,534.45	25,437.00	1,886,457.87
S-19	1,716,528.15		63,637.85	29,740.34	1,809,906.34
S-20	1,681,473.05		76,598.88	42,732.46	1,800,804.39
S-21	1,765,991.53		74,610.53	40,457.00	1,881,059.06
S-22	1,712,603.90		78,513.91	25,841.24	1,816,959.05
S-23	1,751,546.58		82,364.17	38,609.03	1,872,519.78
S-24	1,755,845.38		63,181.18	52,531.87	1,871,558.43
S-25	1,706,601.99		52,064.25	37,251.17	1,795,917.41
S-26	1,771,702.01		60,945.09	39,941.34	1,872,588.44
S-27	1,805,808.43		110,156.07	69,868.68	1,985,833.18
S-28	1,811,274.27	.88	66,344.44	21,630.08	1,899,249.67
S-29	1,835,580.47		73,303.79	58,567.46	1,967,451.72
S-30	1,472,690.63	184.00	45,956.59	33,795.68	1,552,626.90
S-31	1,529,092.59	184.00	59,456.84	44,237.49	1,632,970.92
S-32	1,526,381.81		73,975.12	38,459.42	1,638,816.35
S-33	1,523,085.93		72,800.34	31,485.74	1,627,372.01
S-34	1,569,385.61	184.00	92,434.30	26,323.32	1,688,327.23
S-35	1,610,746.37		56,935.00	47,799.22	1,715,480.59
S-36	1,646,299.35		73,232.30	35,412.94	1,754,944.59
S-37	1,661,959.36		73,948.60	36,800.89	1,772,708.85
S-38	1,717,406.83		76,347.38	29,142.72	1,822,896.93
S-39	1,764,434.76		76,647.66	30,911.24	1,871,993.66
S-40	1,806,137.69		76,230.77	45,088.78	1,927,457.24
S-41	1,819,808.35		83,781.38	33,324.93	1,936,914.66
S-42	1,855,719.21		72,362.21	40,927.41	1,969,008.83
S-43	1,856,230.55		66,206.84	50,765.98	1,973,203.37
S-44	1,931,961.05				1,931,961.05
S-45	1,903,429.94				1,903,429.94
S-46	1,925,203.44				1,925,203.44
S-47	1,821,752.21				1,821,752.21
S-48	2,278,090.04	360.45		887.64	2,279,338.13
S-49	2,276,522.72	263.43	18,470.50	49,768.12	2,345,024.77
S-50	2,237,258.56	263.43	63,078.80	44,900.91	2,345,501.70
S-51	2,229,277.01	360.45	20,026.30	41,288.56	2,290,952.32
Total	88,944,156.56	4,717.09	3,186,938.87	1,677,793.15	93,813,605.67
SUBMARINES, SECOND LINE					
H-2	518,608.88				518,608.88
H-3	512,247.35				512,247.35
H-4 [1]	574,826.65				574,826.65
H-5 [1]	572,143.63				572,143.63
H-6 [1]	572,774.63				572,774.63
H-7 [1]	573,182.08				573,182.08
H-8 [1]	572,782.77				572,782.77
H-9 [1]	572,785.67				572,785.67
K-1	478,370.51				478,370.51
K-2	481,495.45				481,495.45
K-3	553,527.67				553,527.67
K-4	546,465.32				546,465.32
K-5	483,176.90				483,176.90
K-6	483,225.66				483,225.66
K-7	527,148.12				527,148.12
K-8	576,481.25				576,481.25
L-2	604,086.21	44.81			604,131.02
L-3	604,149.71	71.37			604,221.08
L-9	631,741.13	42.66			631,783.79

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
SUBMARINES, SECOND LINE—continued					
L-11	$573,454.45	$21.87			$573,476.32
N-1	507,885.95		$14,203.39	$4,788.28	526,877.62
N-2	504,810.12		19,414.01	7,184.33	531,408.46
N-3	504,925.90		19,371.63	5,389.81	529,687.34
O-1 [1]	784,797.97		26,240.73	10,987.85	822,026.55
O-2 [1]	700,644.98	314.79	24,891.23	17,449.92	743,300.92
O-3	598,388.86		25,020.02	27,505.47	650,914.35
O-4	496,896.76		20,347.59	20,519.07	537,763.42
O-6	599,825.17		22,020.16	21,827.25	643,672.58
O-7	597,793.91		16,154.53	15,634.36	629,582.80
O-8	599,538.96		25,086.49	22,430.26	647,055.71
O-9	598,554.20		24,379.27	32,748.11	655,681.58
O-10	600,390.35		19,114.73	23,880.90	643,385.98
O-11	663,525.59				663,525.59
O-12	665,390.37				665,390.37
O-13	660,148.38				660,148.38
O-14	634,043.63				634,043.63
O-15	651,373.96	85.85			651,459.81
O-16	644,428.20				644,428.20
R-1	940,399.37		33,511.63	25,973.37	999,884.37
R-2	933,158.81		33,743.09	24,350.50	991,252.40
R-3	898,063.21	119.24	27,855.02	26,561.86	952,599.33
R-4	897,845.91	39.74	33,802.95	23,173.96	954,862.56
R-5	887,746.21	10.70	35,484.91	26,782.52	950,024.34
R-6	901,713.16	55.94	33,573.29	42,130.30	977,472.69
R-7	881,210.47	1.96	32,761.85	28,251.14	942,225.42
R-8	893,456.52	1.96	32,882.01	29,419.93	955,760.42
R-9	871,991.43	1.96	37,901.45	29,170.42	939,065.26
R-10	848,636.91	316.20	33,318.85	22,322.10	904,594.06
R-11	842,042.05	205.82	34,571.09	12,904.90	889,723.86
R-12	850,131.21	260.46	35,597.48	13,517.91	899,507.06
R-13	857,069.76	259.02	22,357.83	13,206.74	892,893.35
R-14	861,400.12	236.33	34,112.02	12,700.08	908,448.55
R-15	925,066.61		32,969.24	16,124.57	974,160.42
R-16	923,282.43		32,752.43	16,664.50	972,699.36
R-17	924,844.11		32,932.20	17,187.51	974,963.82
R-18	915,958.49		32,952.72	18,326.88	967,238.09
R-19	912,082.51		38,505.95	17,462.29	968,050.75
R-20	908,769.44		32,588.17	17,560.18	958,917.79
R-21	955,276.89				955,276.89
R-22	934,806.35		38,703.68	4,995.11	978,505.14
R-23	911,728.54				911,728.54
R-24	919,560.29				919,560.29
R-25	874,724.50				874,724.50
R-26	892,018.90				892,018.90
R-27	897,537.69				897,537.69
Total	46,286,559.19	2,090.68	959,121.64	649,132.38	47,896,903.89
FLEET SUBMARINES, FIRST LINE					
T-1	1,391,091.88				1,391,091.88
T-2	1,445,608.95				1,445,608.95
T-3	1,430,296.86				1,430,296.86
V-1 [1]	4,955,360.46		39,775.64	26,113.49	5,021,249.59
V-2 [1]	4,755,562.75				4,755,562.75
V-3 [1]	3,990,071.43				3,990,071.43
V-5	19,254.03				19,254.03
V-6	19,254.05				19,254.05
Total	18,006,500.41		39,775.64	26,113.49	18,072,389.54
FLEET SUBMARINES (MINE LAYING TYPE)					
V-4 [1]	659,082.27				659,082.27
PATROL VESSELS, EAGLES	33,232,325.53		733,046.08	522,110.79	34,487,482.40
PATROL VESSELS, SUBMARINE CHASERS	2,489,569.50		51,244.66	84,302.64	2,625,116.80

[1] Government built.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised valuc of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
PATROL VESSELS, GUNBOATS					
Asheville [1]	$1,340,750.48	$1,304.34	$47,837.25	$70,734.92	$1,460,626.99
Elcano	29,750.00		53,046.96	28,117.32	110,914.28
Helena	417,796.91	12,872.14	54,728.04	75,988.86	561,385.95
Monocacy [1]	145,281.74		21,688.91	22,512.57	189,483.22
Palos [1]	146,153.99		19,785.41	31,262.59	197,201.99
Pampanga [2]	18,000.00		15,837.58	19,369.90	53,207.48
Sacramento	472,166.42		25,460.71	74,297.15	571,924.28
Tulsa [1]	1,806,208.42	1,252.32	74,869.17	118,142.09	2,000,472.00
Villalobos [2]	33,253.33		17,994.77	23,049.71	74,297.81
Total	4,409,361.29	15,428.80	331,248.80	463,475.11	5,219,514.00
PATROL VESSELS, CONVERTED YACHTS					
Aramis	240,000.00				240,000.00
Despatch	112,000.00				112,000.00
Isabel	607,753.76		36,799.40	46,987.91	691,541.07
Mayflower	430,000.00		19,359.45	182,203.59	631,563.04
Niagara	175,000.00		7,153.54	84,885.29	267,038.83
Nokomis	501,000.00		5,864.35	67,672.56	574,536.91
Scorpion	300,000.00		8,067.16	35,486.74	343,553.90
Sylph	50,000.00		96.58	10,626.72	60,723.30
Wenonah	145,000.00				145,000.00
Total	2,560,753.76		77,340.48	427,862.81	3,065,957.05
AUXILIARIES, DESTROYER TENDERS					
Altair	[3]		41,146.77	252,089.07	293,235.84
Black Hawk	1,900,000.00		90,156.30	178,573.05	2,168,729.35
Bridgeport (ex-foreign)					
Buffalo	550,000.00				550,000.00
Denebola	[3]				
Dobbin [1]	4,996,570.22	13,065.85	242,445.40	334,642.54	5,586,724.01
Melville	1,332,387.40	407.29	169,819.86	271,566.06	1,774,180.61
Rigel	[3]		39,483.38	186,025.50	225,508.88
Whitney [1]	5,253,383.34	20,049.18	241,443.16	306,976.28	5,821,851.96
Total	14,032,340.96	33,522.32	824,494.87	1,529,872.50	16,420,230.65
AUXILIARIES, SUBMARINE TENDERS					
Argonne	[4]		16,518.08	161,414.51	177,932.59
Beaver	1,300,000.00		692,781.99	215,520.93	2,208,302.92
Bushnell	949,037.57	240.23	191,749.56	162,812.91	1,303,840.27
Camden (ex-foreign)			81,854.82	222,329.69	304,184.51
Canopus	[3]		34,281.84	198,413.35	232,695.19
Fulton	515,410.79	80.98	19,598.91	71,932.57	607,023.25
Holland [1]	3,602,783.24	853.54			3,603,636.78
Rainbow	176,260.00		35.00	1,920.38	178,215.38
Savannah (ex-foreign)			50,115.69	260,360.25	310,475.94
Total	6,543,491.60	1,174.75	1,086,935.89	1,294,704.59	8,926,306.83
AUXILIARIES, HEAVIER-THAN-AIR AIRCRAFT TENDER					
Wright	680,536.30		73,008.14	249,616.59	1,003,161.03
AUXILIARIES, REPAIR SHIPS					
Medusa [1]	4,774,724.14	13,146.50	173,554.78	373,883.21	5,335,308.63
Prometheus [1]	1,605,622.20				1,605,622.20
Vestal [1]	1,625,176.36	240.90	42,913.36	178,728.79	1,847,059.41
Total	8,005,522.70	13,387.40	216,468.14	552,612.00	8,787,990.24

[1] Government built.
[2] Purchased from Army.
[3] Transferred from Shipping Board. Estimated value, Altair, $1,820,521.32; Denebola, $2,046,756.58; Rigel, $2,089,785.95; Canopus, $2,487,467.84.
[4] Transferred from Army, estimated value $491,075.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
AUXILIARIES, STORESHIPS					
Arctic	(2)		$6,282.43	$106,341.64	$112,624.07
Boreas	(2)				
Bridge [1]	$1,253,490.87	$2,759.65	93,546.17	127,727.34	1,477,524.03
Rappahannock (ex-foreign)					
Yukon	(2)				
Total	1,253,490.87	2,759.65	99,828.60	234,068.98	1,590,148.10
AUXILIARIES, COLLIERS					
Jason	971,869.99		27,855.16	129,115.88	1,128,841.03
Neptune	914,545.55				914,545.55
Nereus	1,023,854.15				1,023,854.15
Orion	974,823.72		35,744.67	125,284.49	1,135,852.88
Proteus	998,652.53				998,652.53
Total	4,883,745.94		63,599.83	254,400.37	5,201,746.14
AUXILIARIES, OILERS					
Arethusa	218,992.50				218,992.50
Brazos [1]	2,600,258.25	188.43	2,548.26	135,787.61	2,738,782.55
Cuyama [1]	1,043,022.03		50,614.37	117,341.28	1,210,977.68
Kanawha [1]	977,796.75		37,848.71	115,379.56	1,131,025.02
Kaweah	(3)				
Laramie	(3)				
Mattole	(3)				
Maumee [1]	1,250,844.89	289.72			1,251,134.61
Neches [1]	2,746,762.52	1,963.79	91,443.71	161,791.00	3,001,961.02
Patoka	(3)		35,378.54	165,094.28	200,472.82
Pecos [1]	2,529,338.52	4,413.78	80,251.09	153,724.80	2,767,728.19
Ramapo	(3)		39,955.57	75,987.91	115,943.48
Rapidan	(3)				
Robert L. Barnes	545,000.00		949.11	27,742.28	573,691.39
Salinas	(3)				
Sapelo	(3)		3,185.62	63,280.40	66,466.02
Sara Thompson	700,000.00		410.75	38,671.66	739,082.41
Sepulga	(3)				
Tippecanoe	(3)				
Trinity	(3)				
Total	12,612,015.46	6,855.72	342,585.73	1,054,800.78	14,016,257.69
AUXILIARIES, AMMUNITION SHIPS					
Nitro [1]	3,893,299.06	9,540.94	102,592.37	197,228.66	4,202,661.03
Pyro [1]	3,708,656.67	7,857.89			3,716,514.56
Total	7,601,955.73	17,398.83	102,592.37	197,228.66	7,919,175.59
AUXILIARIES, CARGO SHIPS					
Bath (ex-foreign)					
Beaufort (ex-foreign)			2,482.52	52,180.82	54,663.34
Capella	(4)				
Kittery (ex-foreign)			671.22	51,381.79	52,053.01
Regulus	(4)				
Sirius	(4)		3,903.16	64,493.30	68,396.46
Spica	(4)				
Vega	(4)		1,395.33	55,850.19	57,245.52
Total			8,452.23	223,906.10	232,358.33

[1] Government built.

[2] Transferred from Shipping Board. Estimated value, Arctic, $2,364,974.36; Boreas, $2,387,107.30; Yukon, $2,545,738.34.

[3] Transferred from Shipping Board. Estimated value, Kaweah, $1,820,519.01; Laramie, $1,815,155.97; Mattole, $1,818,798.57; Patoka, $2,108,880.61; Ramapo, $2,108,880.61; Rapidan, $2,110,765.87; Salinas, $2,112,918.69; Sapelo, $2,108,880.60; Sepulga, $2,109,422.27; Tippecanoe, $2,108,880.59; Trinity, $2,227,202.99.

[4] Transferred from Shipping Board. Estimated value, Capella, $1,484,235.51; Regulus, $1,378,057.57; Sirius, $1,827,086.42; Spica, $1,820,521.32; Vega, $1,827,086.42.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
AUXILIARIES, TRANSPORTS					
Chaumont	[4]		$3,801.89	$149,558.34	$153,360.23
Henderson [1]	$1,826,140.19	$926.48	148,135.55	218,220.18	2,193,422.40
Total	1,826,140.19	926.48	151,937.44	367,778.52	2,346,782.63
AUXILIARIES, HOSPITAL SHIPS					
Mercy	2,240,000.00		576.17	156,971.75	2,397,547.92
Relief [1]	4,378,227.27	273.21	1,232.47	322,984.98	4,702,717.93
Solace	600,000.00				600,000.00
Total	7,218,227.27	273.21	1,808.64	479,956.73	7,700,265.85
AUXILIARIES, FLEET TUGS					
Algorma	510,694.43		522.05	20,755.97	531,972.45
Allegheny	365,152.17		1,699.77	12,592.41	379,444.35
Arapaho	125,666.67				125,666.67
Bagaduce	564,185.72			21,505.57	585,691.29
Bay Spring	[3]			6,658.35	6,658.35
Challenge	150,000.00			5,195.08	155,195.08
Chemung [1]	183,169.07		68.00	10,320.25	193,557.32
Contocook	502,453.72		1,186.56	22,728.03	526,368.31
Genesee	315,000.00		700.45	7,613.54	323,313.99
Iroquois	150,000.00				150,000.00
Iuka	505,148.87		743.98	26,018.59	531,911.44
Kalmia	616,543.10		1,297.16	26,080.73	643,920.99
Keosanqua	506,632.28				506,632.28
Kewaydin	593,182.45		88.00	29,656.82	622,927.27
Koka [1]	475,948.57		959.54	37,453.96	514,362.07
Lykens	300,000.00				300,000.00
Mahopac [1]	475,948.63		187.54	32,001.75	508,137.92
Mohave	125,666.67		230.46	13,295.32	139,192.45
Montcalm	506,490.71		15,450.24	40,645.85	562,586.80
Napa [1]	475,948.57		24,250.31	31,511.71	531,710.59
Navajo	115,000.00		123.97	14,970.11	130,094.08
Ontario	210,137.97		17,012.27	32,670.45	259,820.69
Patapsco [1]	219,402.53				219,402.53
Patuxent [1]	212,167.02				212,167.02
Pinola [1]	475,948.58		1,138.22	28,366.84	505,453.64
Piscataqua	130,000.00				130,000.00
Sagamore	361,339.01		88.82	11,944.66	373,372.49
Sciota [1]	475,948.58		1,504.40	34,336.49	511,789.47
Sonoma	198,778.55		1,430.82	30,866.32	231,075.69
Sunnadin [1]	475,948.64		1,208.62	36,498.06	513,655.32
Tadousac	606,095.62				606,095.62
Tatnuck [1]	475,948.73		68.00	29,483.50	505,500.23
Tillamook	125,666.66			7,166.56	132,833.22
Umpqua	589,314.38		68.00	28,778.79	618,161.17
Undaunted	222,500.00		211.10	14,416.88	237,127.98
Wandank	587,007.54		590.91	23,952.12	611,550.57
Wando [1]	131,187.43				131,187.43
Total	13,060,222.87		70,829.19	637,484.71	13,768,536.77
AUXILIARIES, MINE SWEEPERS					
Avocet	819,190.13				819,190.13
Bittern	838,343.67		29,274.42	31,837.67	899,455.76
Bobolink	802,360.71		1,789.52	38,278.30	842,428.53
Brant	636,087.54	43.35	3,294.12	30,012.75	669,437.76
Chewink	634,513.23		2,833.01	26,752.87	664,099.11
Cormorant	583,306.04		3,364.62	45,094.97	631,765.63
Curlew	638,528.63		2,740.95	19,083.74	660,353.32
Eider	775,690.04				775,690.04
Falcon	665,564.08		2,685.80	68,360.58	736,610.46
Finch	698,238.62		16,415.48	33,013.06	747,667.16
Gannet	585,309.80		3,154.35	32,411.73	620,875.88
Grebe	636,136.52		13,536.82	40,099.60	689,772.94
Heron	710,336.56		1,698.03	24,174.48	736,209.07

[1] Government built.
[3] Transferred from Shipping Board. Estimated value, Bay Spring, $424,479.37.
[4] Transferred from Army, estimated value $491,075.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
AUXILIARIES, MINE SWEEPERS—continued					
Kingfisher [1]	$556,114.02	$194.34	$2,602.75	$48,653.24	$607,564.35
Lapwing	620,838.05				620,838.05
Lark	805,136.28		6,860.26	39,498.22	851,494.76
Mallard	640,695.74		6,510.78	29,074.32	676,280.84
Oriole	633,292.38				633,292.38
Ortolan	620,896.45		1,823.81	31,254.98	653,975.24
Owl	547,756.43		1,428.15	26,585.90	575,770.48
Partridge	919,961.91		1,860.84	32,831.23	954,653.98
Peacock	618,413.71				618,413.71
Pelican	680,068.19			41,858.22	721,926.41
Penguin	760,999.86		21,597.96	36,763.81	819,361.63
Pigeon	776,582.04		22,488.65	35,560.66	834,631.35
Quail	920,049.58		17,144.45	23,530.48	960,724.51
Rail [1]	554,735.60	34.30	2,693.05	42,622.95	600,085.90
Robin	522,988.93		1,135.47	33,736.20	557,860.60
Sanderling	646,345.92				646,345.92
Sandpiper [1]	628,291.21		1,113.77	36,673.87	666,078.85
Sea Gull	668,386.12		4,607.35	21,933.68	694,927.15
Swallow	539,119.75		347.17	22,888.43	562,355.35
Swan	830,281.67		76.40	39,564.11	869,922.18
Tanager	636,291.28		4,836.26	35,785.53	676,913.07
Teal	671,994.01		1,654.05	21,753.44	695,401.50
Tern	667,132.56		4,096.51	33,769.10	704,998.17
Thrush	755,550.54				755,550.54
Turkey	960,914.39				960,914.39
Vireo [1]	553,327.74		2,427.77	28,104.88	583,860.39
Warbler [1]	532,860.00				532,860.00
Whippoorwill	836,885.85		4,166.54	40,945.15	881,997.54
Widgeon	661,243.64		2,126.00	78,121.06	741,490.70
Willet [1]	575,844.23				575,844.23
Woodcock	959,040.12		16,167.22	30,694.28	1,005,901.62
Total	30,325,643.77	271.99	208,552.33	1,201,323.49	31,735,791.58
AUXILIARIES, MISCELLANEOUS					
Abarenda	175,000.00		6,581.89	38,034.90	219,616.79
Ajax	267,675.50			1,188.55	268,864.05
Antares	[3]		10,499.21	124,975.11	135,474.32
General Alava [2]	33,253.34		5,475.48	36,156.06	74,884.88
Gold Star	[3]		813.57	109,388.08	110,201.65
Hannibal	147,941.60		2,123.72	192,268.07	342,333.39
Procyon	[3]		14,675.12	150,548.42	165,223.54
Total	623,870.44		40,168.99	652,559.19	1,316,598.62
UNCLASSIFIED					
America	1.00				1.00
Annapolis	277,204.17	927.35			278,131.52
Boston	[5] 700,000.00		2,904.04	36,727.17	739,631.21
Briarcliff	[3]		23,314.69	11,812.76	35,127.45
Cheyenne	1,087,065.14	285,028.02	51,576.20	60,099.15	1,483,768.51
Chicago	1,150,000.00				1,150,000.00
Commodore	20,000.00		30,470.65	30,237.20	80,707.85
Cumberland [1]	427,065.38	397.99		11,497.01	438,960.38
Dubuque	334,258.99	715.24	10,134.30	53,494.47	398,603.00
Essex [1]	[5] 117,800.00		34,887.67	35,105.99	187,793.66
Hancock [4]	600,000.00		1,528.48	134,430.61	735,959.09
Hartford [1]	[5] 256,964.05			47,649.89	304,613.94
Hawk	50,000.00		5.72	4,125.82	54,131.54
Illinois	2,869,111.45	1,204,317.81	10,119.30	83,258.40	4,166,806.96
Kearsarge	2,550,585.63	1,879,305.06			4,429,890.69
Nantucket	127,962.00				127,962.00

[1] Government built.
[2] Purchased from Army.
[3] Transferred from Shipping Board. Estimated value, Antares, $1,800,977.06; Gold Star, $1,467,138.95; Procyon, $1,638,211.05; Briarcliff, $401,754.41.
[4] Transferred from Army.
[5] Appraised value: Boston, 1889; Essex, 1899; Hartford, 1899.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
UNCLASSIFIED—continued					
Newport	$297,770.82	$844.32			$298,615.14
Newton	[3]		$27,585.54	$12,037.25	39,622.79
North Dakota	4,748,313.18	2,498,373.86			7,246,687.04
Old Constellation [1]	[5] 18,785.00			26,428.00	45,213.00
Old Constitution [1]	[5] 13,320.00				13,320.00
Oregon	3,914,340.04	1,999,681.86			5,914,021.90
Paducah	391,784.45	914.52	10,037.64	49,584.85	452,321.46
Philadelphia	1,561,392.47				1,561,392.47
Reina Mercedes [6]			6,887.98	40,978.87	47,866.85
Southery	100,000.00		9,128.89	33,781.79	142,910.68
Sturgeon Bay	[3]		3,373.75	39,878.85	43,252.60
Topeka	170,327.50		60,782.26	46,698.35	277,808.11
Wheeling	255,423.53	645.66	18,055.56	23,742.59	297,867.34
Wilmette	175,000.00		109,472.95	50,488.96	334,961.91
Wilmington	414,866.04	10,002.61	15,306.55	64,100.37	504,275.57
Wolverine	[5] 47,795.00		10,385.84	17,303.14	75,483.98
Yantic [1]	62,030.00		11,052.14	19,860.40	92,942.54
Total	22,739,165.84	7,881,154.30	447,010.15	933,321.89	32,000,652.18
RIGID AIRSHIPS					
Shenandoah	1,806,606.37				1,806,606.37
Los Angeles	[7]				
Total	1,806,606.37				1,806,606.37
DISTRICT TUGS AND PATROL VESSELS					
Active	[8]				
Advance	100,000.00				100,000.00
Barnett	97,000.00			2,880.76	99,880.76
Catawba	127,000.00				127,000.00
Cayuga	42,500.00			3,976.65	46,476.65
Choptank	150,000.00			1,155.40	151,155.40
Clarinda	25,000.00		35.66	1,493.08	26,528.74
Diligent	[8]				
Dreadnaught	222,500.00				222,500.00
Edithia	27,000.00				27,000.00
Hercules	40,000.00				40,000.00
Herreshoff, No. 323	100,480.56				100,480.56
Iwana	33,253.57			2,785.26	36,038.83
James Wooley	44,000.00			2,168.10	46,168.10
Lively	75,000.00			3,002.77	78,002.77
Massasoit	30,000.00				30,000.00
Mendota	250,000.00		998.07	4,781.81	255,779.88
Modoc	30,000.00			2,662.47	32,662.47
Mohawk	44,000.00				44,000.00
Nahant	204,545.25				204,545.25
Narkeeta	33,648.91				33,648.91
Nausett	95,000.00			2,213.36	97,213.36
Navigator	267,500.00			9,028.51	276,528.51
Nottoway	40,000.00			2,520.05	42,520.05
Pawtucket [1]	75,366.49			3,333.24	78,699.73
Penacook [1]	84,465.68			4,177.53	88,643.21
Penobscot	138,068.25				138,068.25
Pentucket [1]	95,181.86			4,537.45	99,719.31
Privateer	71,564.00				71,564.00
Rocket	29,000.00				29,000.00
Saco	50,000.00			293.22	50,293.22
Samoset [1]	73,505.28			2,486.42	75,991.70
Sebago	28,000.00			2,443.49	30,443.49
Sotoyomo [1]	71,143.05			3,560.26	74,703.31
S. P. 467 (ex-Delaware)	125,000.00		1,161.30	6,057.92	132,219.22
Tecumseh	45,000.00		162.29	7,727.60	52,889.89
Triton	35,000.00			1,713.80	36,713.80
Unadilla [1]	101,145.08			5,020.79	106,165.87
Vigilant	60,000.00			3,111.82	63,111.82

[1] Government built.
[3] Transferred from Shipping Board. Estimated value, Newton, $1,011,085.67; Sturgeon Bay, $706,533.55.
[5] Appraised value: Old Constellation, 1899; Old Constitution, 1899; Wolverine, 1899.
[6] Captured during war with Spain.
[7] Obtained without cost under treaty of peace with Germany.
[8] Transferred from Shipping Board.

Statement 33.—PROPERTY INVESTMENT—SHIPS—1925—Continued

Vessel	Cost of construction, purchase price, or appraised value of hull and machinery	Armor and permanent ordnance fittings	Battery (ordnance equipage)	Outfit (except ordnance)	Total
DISTRICT TUGS AND PATROL VESSELS—continued					
Wicomico	$82,500.00				$82,500.00
Wompatuck	65,000.00		$746.31	$11,373.40	77,119.71
Zumbrota	14,000.00				14,000.00
Tug No. 55	123,217.57				123,217.57
Tug No. 56	65,966.41				65,966.41
Tug No. 61	97,914.85				97,914.85
Tug No. 67	82,596.31				82,596.31
Tug No. 70	93,769.22				93,769.22
Tug No. 71	84,539.44			1,310.71	85,850.15
Tug No. 72	89,885.56				89,885.56
Tug No. 73	91,013.56				91,013.56
Tug No. 77	94,924.81				94,924.81
Total	4,146,195.71		3,103.63	95,815.87	4,245,115.21
Miscellaneous			2,474,900.89	14,754,953.85	17,229,854.74
Grand total	1,123,678,396.35	$89,235,218.16	88,185,284.19	52,396,778.80	1,353,495,677.50

Statement 34.—EXPENDITURES BY YARDS AND TITLES

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowanees
102. NAVY YARD, PORTSMOUTH, N. H.:									
A	$4,547,942.38	$1,949,336.21	$669,688.23	$740,424.27	$265,328.59	$923,165.08			
C	1,440.51	775.26	195.31	387.53	82.41				
D	393,835.63	201,794.76	87,828.26	37,939.32	45,650.59	20,622.70			
K	566,812.67	281,639.39	94,461.75	100,978.79	36,067.87	53,664.87			
P	9,023.12	5,394.17	1,834.44	993.60	731.38	69.53			
E	57,520.36	10,908.07	2,882.55	7,137.92	552.18	23,257.11		$12,782.53	
G	1,019,193.46	608,195.60	91,539.54	95,913.91		10,532.22	$945.70	6,510.05	$205,556.44
V	90,924.00	52,785.40	15,597.40	9,792.23	6,386.92	6,362.05			
Z	659,951.88	250,410.92	113,130.30	279,708.34		16,702.32			
Overabsorbed expense	*43,936.65*		*43,936.65*						
Retirement fund deducted	*106,381.05*	*106,381.05*							
Marine Corps	4,410.81	1,387.80	82.23	2,363.28		577.50			
Other Government departments	82,290.33	41,262.77	14,575.75	26,451.81					
Special deposits	3,910.67	2,028.31	897.90	984.46					
Proceeds of sales	14,844.72	14,747.69	17.85	79.18					
Indeterminate divided		853,326.80		195,468.06					
Total	7,301,782.84	4,167,612.10		1,498,622.70	354,799.94	1,054,953.38	945.70	19,292.58	205,556.44
111. NAVY YARD, BOSTON, MASS.:									
A	1,069,421.27	607,559.50	305,561.18	309,511.14	147,317.89	*300,528.44*			
C									
D	1,063,240.61	496,668.59	264,071.18	165,574.33	108,945.13	27,981.38			
K	671,973.35	259,667.40	137,549.68	131,708.60	53,401.70	89,645.97			
P	89,809.51	44,750.23	24,395.44	10,318.20	8,690.02	1,655.62			
E	7,194,930.85	4,719.88	2,471.10	3,694.27	1,198.53	7,104,906.41		77,940.66	
G	1,386,373.84	823,303.87	149,041.52	101,233.68		*17,393.35*		18,833.92	311,354.20
V	*6,655,341.44*	278,566.11	31,160.58	31,091.65	13,791.65	*7,009,951.43*			
Z	1,754,141.85	328,891.14	325,988.76	760,491.73		338,770.22			
Overabsorbed expense	*31,030.74*		*31,030.74*						
Retirement fund deducted	*95,368.88*	*95,368.88*							
Marine Corps	7,185.45	2,773.69	1,501.87	2,909.89					
Other Government departments	195,195.19	87,632.07	62,725.68	44,837.44					
Special deposits	2,882.38	971.90	608.95	1,301.53					
Proceeds of sales	16,127.91	16,097.70	28.56	1.65					
Indeterminate divided		997,630.42		276,443.34					
Total	6,669,541.15	3,853,863.62		1,839,117.45	333,344.92	235,086.38		96,774.58	311,354.20

151. NAVY YARD, NEW YORK, N. Y.:									
A	*488,605.20*	784,597.50	405,544.44	291,429.00	183,129.20	*2,153,305.34*			
C	6,303.06	3,211.07	1,761.97	807.32	520.17	2.53			
D	1,269,503.88	565,854.10	346,571.70	181,318.49	139,888.50	35,871.09			
K	1,435,394.66	602,969.94	333,422.65	309,166.61	117,631 86	72,203.60			
P	125,393.62	61,290.63	37,738.28	13,838.04	10,970.21	1,556.46			
E	151,555.94	27,370.55	14,119.66	20,002.36	5,282.25	79,701.94		5,079.18	
G	2,120,126.26	1,324,243.70	163,708.91	124,193.12		43,104.76	65.74	56,344.60	408,465.43
V	670,605.19	498,784.59	88,644.61	57,198.07	26,606.06	*628.14*			
Z	5,152.305.50	1,052,053.22	468,061.40	1,444,754.15		2,187,436.73			
Overabsorbed expense	*6,040.89*		*6,040.89*						
Retirement fund deducted	*174,900.62*	*174,900.62*							
Marine Corps	41,049.07	21,968.67	9,611.70	9,468.70					
Other Government departments	714,139.10	367,519.08	204,766.64	141,853.38					
Special deposits	14,740.76	4,802.06	758.57	9,180.13					
Proceeds of sales	46,212.96	37,541.22	5,481.09	3,190.65					
Indeterminate divided		1,716,906.43		357,244.30					
Total	11,077,783.29	6,894,212.14		2,963,644.32	484,028.25	265,943.63	65.74	61,423.78	408,465.43
151. NAVY YARD, PHILADELPHIA, PA.:									
A	*1,146,547.04*	201,738.57	83,532.30	80,477.07	44,274.69	*1,556,569.67*			
C	4,316.71	2,111.38	1,181.39	587.78	436.16				
D	635,847.84	273,016.48	161,395.52	98,034.44	83,414.89	19,986.51			
K	400,553.78	158,015.96	71,782.58	105,662.45	32,663.92	32,428.87			
P	24,886.35	12,594.44	6,233.76	3,370.14	2,491.47	196.54			
E	114,206.31	16,955.99	8,561.91	6,996.73	4,101.45	75,725.92		1,864.31	
G	2,516,223.25	1,565,665.34	299,662.36	150,094.25		51,498.34	676.66	2,952.22	445,674.08
V	834,086.17	620,454.10	90,137.38	90,903.70	30,143.97	2,447.02			
Z	3,589,669.13	541,550.34	279,955.78	1,207,593.42		1,560,569.59			
Overabsorbed expense	*6,621.47*		*6,621.47*						
Retirement fund deducted	*141,138.53*	*141,138.53*							
Marine Corps	2,958.59	1,762.12	755.74	440.73					
Other Government departments	1,622,368.47	840,766.45	413,798.14	367,803.88					
Special deposits	14,185.84	10,112.17	1,600.46	2,473.21					
Proceeds of sales	483,336.54	254,312.92	98,289.08	130,734.54					
Indeterminate divided		1,206,076.13		304,188.80					
Total	8,948,331.94	5,563,993.86		2,549,361.14	197,526.55	186,283.12	676.66	4,816.53	445,674.08
156. AIRCRAFT FACTORY, PHILADELPHIA, PA.:									
E	214,779.91	23,085.77	18,880.55	5,163.04	16,273.02	151,377.53			
G	995,586.31	648,822.86	68,214.75	21,376.69		108,596.79		5,881.82	142,693.40
V	1,974,263.92	507,280.42	409,684.38	23,843.41	360,067.04	673,388.67			
Z	1,357,228.55	407,772.43	354,633.26	154,013.10		440,809.76			
Underabsorbed expense	30,744.23		30,744.23						
Retirement fund deducted	*58,046.40*	*58,046.40*							
Other Government departments	890.81	73.96	55.30	761.55					
Special deposits	844.17	60.84	10.30	773.03					
Proceeds of sales	4,424.14	4,424.14							
Indeterminate divided		740,223.87		141,998.90					
Total	4,520,715.64	2,273,697.89		347,929.72	376,340.06	1,374,172.75		5,881.82	142,693.40

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
169. NAVAL ORDNANCE PLANT, BALDWIN, L. I.:									
E	$3,679.93					$3,679.93			
G	148,163.55	$105,340.48		$1,677.24		23,000.91		$51.64	$18,093.28
V	139,709.67	5,139.44		3.40	$3,504.31	131,062.52			
Z	758,104.82	174,571.86		1,192.90		582,340.06			
Retirement fund deducted	*7,066.00*	*7,066.00*							
Special deposits	67.59	38.32		29.27					
Total	1,042,659.56	278,024.10		2,902.81	3,504.31	740,083.42		51.64	18,093.28
171. NAVY YARD, WASHINGTON, D. C.:									
A	*152.30*					*152.30*			
D	44,338.23	16,763.68	$15,835.60	5,960.93	5,637.48	140.54			
K	9,394.88	3,114.05	3,261.59	1,030.36	1,110.17	878.71			
P	8,204.69	3,601.00	1,932.55	1,912.28	719.64	39.22			
E	113,953.45	13,141.82	9,298.88	10,111.92	4,058.71	72,645.74		4,696.38	
G	1,965,709.06	1,399,488.04	98,861.54	87,504.77		66,786.92	$11,907.91	2,417.67	298,742.21
V	1,498,015.32	469,386.65	302,703.89	190,584.17	115,366.75	419,973.86			
Z	5,897,546.12	2,190,220.08	1,425,172.25	1,546,471.11		735,682.68			
Overabsorbed expense	*180,701.63*		*180,701.63*						
Retirement fund deducted	*141,865.01*	*141,865.01*							
Marine Corps	1,994.04	903.11	677.04	413.89					
Other Government departments	154,043.48	73,345.52	45,329.30	35,368.66					
Special deposits	26,282.27	13,704.90	10,314.71	2,262.66					
Proceeds of sales	190,135.65	48,775.90	1,596.81	139,762.94					
Indeterminate divided		1,409,450.44		324,832.09					
Total	9,586,898.25	5,500,030.18		2,346,215.78	126,892.75	1,295,995.37	11,907.91	7,114.05	298,742.21
181. NAVY YARD, NORFOLK, VA.:									
A	*574,870.08*	23,943.69	11,890.62	993.26	6,102.17	*617,799.82*			
C									
D	1,626,393.87	639,472.51	369,308.81	185,501.74	401,401.95	30,708.86			
K	770,845.46	306,958.06	152,572.49	166,588.27	69,437.22	75,289.42			
P	142,648.33	66,570.07	35,893.18	18,081.10	14,366.56	7,737.42			
E	280,717.30	83,145.04	39,121.99	44,517.08	17,792.77	96,140.42			
G	1,854,915.63	1,118,253.51	154,450.69	127,752.06		25,636.70	1,922.71	2,258.67	424,641.29
V	420,468.30	178,241.31	83,377.75	104,224.61	30,938.90	23,685.73			

Z	5,411,040.12	851,151.28	483,134.03	3,425,998.95		650,755.86			
Underabsorbed expense	38,927.37		38,927.37						
Retirement fund deducted	*112,383.13*	*112,383.13*							
Marine Corps	5,306.71	2,817.41	1,400.82	1,088.48					
Other Government departments	166,830.36	74,954.83	37,028.22	54,847.31					
Special deposits	7,144.41	3,360.77	1,365.03	2,418.61					
Proceeds of sales	53,885.83	51,049.54	1,219.57	1,616.72					
Indeterminate divided		1,123,736.79		285,953.78					
Total	10,091,870.48	4,411,271.68		4,419,581.97	540,039.57	292,154.59	1,922.71	2,258.67	424,641.29
191. NAVY YARD, CHARLESTON, S. C.:									
A	5,907.69	4,885.31	54.92	928.06	39.40				
D	402,059.52	147,258.61	95,599.18	48,719.29	104,898.95	5,583.49			
K	38,638.68	13,590.81	8,656.65	8,392.12	7,923.70	75.40			
P	13,051.33	4,901.39	2,774.27	1,912.00	2,866.61	597.06			
E	57,056.92	8,563.26	3,954.38	3,893.27	3,887.36	29,741.53		7,017.12	
G	557,944.29	346,073.18	68,730.20	28,067.79		12,160.35	152.20	5,793.14	96,967.43
V	58,863.70	26,338.96	9,060.01	8,324.35	14,304.95	835.43			
Z	97,592.72	34,424.10	36,581.94	26,357.24		229.44			
Overabsorbed expense	*9,187.22*		*9,187.22*						
Retirement fund deducted	*19,239.93*	*19,239.93*							
Marine Corps	10,940.69	5,696.15	2,784.76	2,459.78					
Other Government departments	20,118.56	7,242.18	5,455.69	7,420.69					
Special deposits	3,294.55	1,658.13	406.42	1,230.00					
Proceeds of sales	3,386.27	3,376.57	9.70						
Indeterminate divided		167,300.70		57,580.20					
Total	1,240,427.77	752,069.42		195,284.79	133,920.97	49,222.70	152.20	12,810.26	96,967.43
221. NAVY YARD, MARE ISLAND, CALIF.:									
A	266,502.22	9,440.30	2,816.19	1,568.72	638.74	252,038.27			
C	3,099.99	1,720.15	636.06	388.77	355.01				
D	2,022,535.77	844,823.26	457,724.46	341,473.03	209,994.70	168,520.32			
K	900,145.40	398,316.26	190,378.43	190,357.12	59,411.80	61,681.79			
P	241,225.69	115,696.38	61,321.74	29,950.71	22,258.34	11,998.52			
E	903,539.58	225,421.89	95,368.09	99,804.53	55,334.70	284,986.62		142,623.75	
G	2,337,395.07	1,610,748.33	161,039.82	162,005.29		61,646.78	1,365.08	3,088.49	337,501.28
V	456,704.28	199,293.72	109,035.64	92,116.17	44,463.63	11,795.12			
Z	2,497,875.11	435,362.51	283,409.88	1,839,108.01		*60,005.29*			
Underabsorbed expense	73,335.82		73,335.82						
Retirement fund deducted	*128,746.61*	*128,746.61*							
Marine Corps	5,340.49	3,172.76	1,237.04	930.69					
Other Government departments	174,790.79	83,738.26	44,999.92	46,052.61					
Special deposits	81,847.04	2,127.30	76,197.67	3,522.07					
Proceeds of sales	20,286.38	18,105.54	1,062.39	1,118.45					
Indeterminate divided		1,204,901.20		353,661.95					
Total	9,855,877.02	5,024,121.25		3,162,058.12	392,456.92	792,662.13	1,365.08	145,712.24	337,501.28

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
251. NAVY YARD, PUGET SOUND, WASH.:									
A	$1,626,568.78	$712,494.79	$288,049.10	$316,918.76	$174,193.35	$134,912.78			
C	18,799.90	9,976.74	3,613.08	3,397.82	1,812.26				
D	2,053,378.88	1,016,220.47	425,483.70	364,019.38	205,988.70	41,666.63			
K	1,364,824.49	556,020.67	232,923.07	370,379.75	102,450.66	103,050.34			
P	508,218.76	275,575.73	115,855.04	43,946.81	45,002.59	27,838.59			
E	427,402.31	102,241.52	42,369.90	30,272.38	20,647.71	199,784.13		$32,086.67	
G	1,741,117.20	1,078,286.71	136,132.44	107,300.75		28,416.16	$157.10	3,062.11	$387,761.93
V	83,555.26	48,729.41	10,453.94	11,812.65	4,126.73	8,432.53			
Z	1,150,159.83	241,336.25	218,734.15	641,617.96		48,471.47			
Underabsorbed expense	159,867.02		159,867.02						
Retirement fund deducted	*138,811.00*	*138,811.00*							
Marine Corps	3,999.39	2,080.28	862.16	1,056.95					
Other Government departments	228,462.55	139,287.74	52,804.91	36,369.90					
Special deposits	3,057.79	2,065.02	559.93	432.84					
Proceeds of sales	14,828.23	14,549.10	77.17	201.96					
Indeterminate divided		1,368,988.60		318,797.01					
Total	9,245,429.39	5,429,042.03		2,246,524.92	554,222.00	592,572.63	157.10	35,148.78	387,761.93
311. NAVY YARD, PEARL HARBOR, HAWAII:									
C	408.82	131.42	40.72	166.96	69.72				
D	834,979.89	267,445.29	153,563.52	94,801.78	306,796.08	12,373.22			
K	178,799.56	51,625.16	26,741.64	44,746.57	28,055.24	27,630.95			
P	43,688.87	16,950.36	9,917.88	4,197.73	10,873.32	1,749.58			
E	1,077,148.88	203,937.59	75,819.80	157,224.38	88,134.21	508,214.00		43,818.90	
G	1,251,215.09	721,080.00	111,749.14	79,793.88		81,727.79	1,328.39	10,963.53	244,572.36
V	162,010.06	55,014.13	27,902.93	32,973.09	48,772.84	*2,652.93*			
Z	248,683.15	82,903.74	104,891.11	60,884.13		4.17			
Underabsorbed expense	24,871.09		24,871.09						
Retirement fund deducted	*46,673.78*	*46,673.78*							
Marine Corps	4,847.57	2,820.25	1,149.12	878.20					
Other Government departments	36,984.56	16,256.59	7,835.94	12,892.03					
Special deposits	25,341.65	9,980.42	11,967.32	3,393.91					
Proceeds of sales	96.97	96.97							
Indeterminate divided		421,072.58		135,377.63					
Total	3,842,402.38	1,802,640.72		627,330.29	482,701.41	629,046.78	1,328.39	54,782.43	244,572.36

321. NAVY YARD, CAVITE, P. I.:									
D	716,096.95	187,015.25	220,934.61	149,467.32	134,877.31	23,802.46			
K	58,490.55	16,330.78	16,231.64	15,246.59	10,440.36	241.18			
P	109,717.82	33,672.61	33,256.28	17,227.03	24,619.76	942.14			
E	202,649.70	41,237.66	37,344.49	43,439.96	19,297.19	61,330.40			
G	1,055,635.68	540,289.42	112,210.41	191,723.56		39,157.84	6,759.03	4,588.59	160,906.83
V	95,237.80	25,728.34	25,368.28	23,489.78	18,533.86	2,117.54			
Z	639,988.69	105,901.97	157,045.30	377,041.42					
Underabsorbed expense	2,268.69		2,268.69						
Retirement fund deducted	*3,635.20*	*3,635.20*							
Other Government departments	47,810.00	20,403.12	20,317.21	7,089.67					
Special deposits	2,810.40	819.11	1,397.43	593.86					
Proceeds of sales	515.27	439.70		75.57					
Indeterminate divided		369,249.06		257,125.28					
Total	2,927,586.35	1,337,451.82		1,082,520.04	207,768.48	127,591.56	6,759.03	4,588.59	160,906.83
701. RADIO STATION, PORTSMOUTH, N. H.:									
G	749.60	184.15	102.38	421.27		41.80			
Indeterminate divided		102.38							
Total	749.60	286.53		421.27		41.80			
702. RADIO STATION, BAR HARBOR:									
E	6,497.79	108.30	54.65	2,269.75	21.97	4,043.12			
G	8,466.39	849.96	500.61	6,035.58		1,050.57		29.67	
Indeterminate divided		555.26							
Total	14,964.18	1,513.52		8,305.33	21.97	5,093.69		29.67	
703. RADIO STATION, CAPE ELIZABETH:									
G	2,136.47	182.70	97.37	1,777.65		63.39		15.36	
Indeterminate divided		97.37							
Total	2,136.47	280.07		1,777.65		63.39		15.36	
704. RADIO STATION, CHELSEA, MASS.:									
G	5,296.28	579.87	370.99	3,815.34		496.25		33.83	
Inderterminate divided		370.99							
Total	5,296.28	950.86		3,815.34		496.25		33.83	
705. NAVAL PIGEON STATION, NEWPORT:									
G	109.28			109.28					
706. RADIO STATION (RADIO LABORATORY), BOSTON, MASS.:									
E	*35.00*					*35.00*			
G	936.59	248.93	155.72	251.89		280.05			
Indeterminate divided		155.72							
Total	901.59	404.65		251.89		245.05			

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
707. RADIO STATION, ORLEANS, MASS.:									
G	$29.55	$1.30		$26.86		$1.39			
710. RADIO STATION, NEWPORT, R. I.:									
G	2,645.71	161.99	$108.55	2,353.24		21.93			
Indeterminate divided		108.55							
Total	2,645.71	270.54		2,353.24		21.93			
716. RADIOCOMPASS STATION, THATCHER'S ISLAND:									
E	7,640.62	57.94	29.89	324.35	$12.56	7,215.88			
G	11,642.59	113.02	30.63	3,142.48		8,356.46			
Indeterminate divided		60.52							
Total	19,283.21	231.48		3,466.83	12.56	15,572.34			
717. RADIOCOMPASS STATION, DEER ISLAND:									
G	2,024.85	75.55	34.69	1,851.63		62.98			
Indeterminate divided		34.69							
Total	2,024.85	110.24		1,851.63		62.98			
718. RADIOCOMPASS STATION, FOURTH CLIFF:									
G	3,034.93	54.18	19.30	2,799.89		161.56			
Indetermediate divided		19.30							
Total	3,034.93	73.48		2,799.89		161.56			
719. RADIOCOMPASS STATION, NORTH TRURO:									
E	641.11			630.75		10.36			
G	2,925.52	69.49	37.93	2,112.61		705.49			
Indeterminate divided		37.93							
Total	3,566.63	107.42		2,743.36		715.85			

720. RADIOCOMPASS STATION, SURFSIDE:										
E	1,384.66			1,384.66						
G	1,969.73	41.74	22.50	1,857.05		48.44				
Indeterminate divided		22.50								
Total	3,354.39	64.24		3,241.71		48.44				
721. RADIOCOMPASS STATION, PRICE'S NECK:										
E	695.75	96.34	48.17	527.57	23.67					
G	1,772.71	40.08	27.52	1,622.79		82.32				
Indeterminate divided		75.69								
Total	2,468.46	212.11		2,150.36	23.67	82.32				
740. RADIO STATION, NAVY YARD, NEW YORK:										
G	1,838.28	155.75	253.21	837.05		598.50		*$6,23*		
Indeterminate divided		253.21								
Total	1,838.28	408.96		837.05		598.50		*6.23*		
741. RADIO STATION (RADIO LABORATORY), NEW YORK:										
G	1,877.97	264.80	351.45	249.76		1,011.96				
Indeterminate divided		351.45								
Total	1,877.97	616.25		249.76		1,011.96				
742. RADIOCOMPASS STATION, FIRE ISLAND, N. Y.:										
G	8,316.56	741.90	387.95	3,384.29		524.29				$3,278.13
Indeterminate divided		387.95								
Total	8,316.56	1,129.85		3,384.29		524.29				3,278.13
743. RADIO STATION, EL CAYEY AND SAN JUAN, WEST INDIES:										
E	14,039.35			2,254.35		11,785.00				
G	141,573.88	1,779.47	1,002.17	41,352.05		2,789.48		596.81		94,053.90
Indeterminate divided		1,002.17								
Total	155,613.23	2,781.64		43,606.40		14,574.48		596.81		94,053.90
747. RADIO STATION, SAYVILLE:										
E	*63.79*			*63.79*						
G	32,781.30	3,007.78	1,029.38	22,637.60		245.73		11.23		5,849.58
Indeterminate divided		1,029.38								
Total	32,717.51	4,037.16		22,573.81		245.73		11.23		5,849.58

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
752. Radio Station, New York City (Control):									
E	$566.96			$366.96		$200.00			
G	7,472.94	$391.64	$237.18	6,741.51		102.61			
Indeterminate divided		237.18							
Total	8,039.90	628.82		7,108.47		302.61			
755. Radio Station, Amagansett:									
E	1,556.72	657.32	320.05	59.23	$97.97	422.15			
G	6,440.44	415.85	273.43	2,432.89		196.93		$44.40	$3,076.94
Indeterminate divided		593.48							
Total	7,997.16	1,666.65		2,492.12	97.97	619.08		44.40	3,076.94
756. Radio Station, Port au Prince, West Indies:									
G	4,708.25	57.24	31.63	4,318.23		301.15			
Indeterminate divided		31.63							
Total	4,708.25	88.87		4,318.23		301.15			
757. Radio Station, Guantanama, Cuba:									
E	28.35			28.35					
G	26,891.54			19,960.66		860.31			6,070.57
S	468.16	468.16							
Total	27,388.05	468.16		19,989.01		860.31			6,070.57
759. Radio Station, St. Thomas, Virgin Islands:									
E	474.41			95.20		379.21			
G	5,239.38	6.56	3.28	5,103.45		126.09			
Indeterminate divided		3.28							
Total	5,713.79	9.84		5,198.65		505.30			

760. Radio Station, St. Croix, West Indies:										
E	30.00			30.00						
G	2,051.73	39.60	25.74	290.24		1,696.15				
Indeterminate divided		25.74								
Total	2,081.73	65.34		320.24		1,696.15				
761. Radiocompass Station, Sandy Hook:										
G	3,720.45	85.84	28.78	738.45		61.44				2,805.94
Indeterminate divided		28.78								
Total	3,720.45	114.62		738.45		61.44				2,805.94
762. Radiocompass Station, Manasouam:										
G	3,769.97	10.44	5.22	667.41		12.92				3,073.98
Indeterminate divided		5.22								
Total	3,769.97	15.66		667.41		12.92				3,073.98
774. Radio Station, Navy Yard, Philadelphia, Pa.:										
E	969.24	342.78	154.47	398.72	66.27	7.00				
G	2,020.14	543.69	764.74	525.19		186.52				
Indeterminate divided		919.21								
Total	2,989.38	1,805.68		923.91	66.27	193.52				
775. Radio Station (Radio Laboratory), Philadelphia, Pa.:										
G	1,871.51	315.12	289.11	1,176.72		90.56				
Indeterminate divided		289.11								
Total	1,871.51	604.23		1,176.72		90.56				
778. Radiocompass Station, Cape May, N. J.:										
E	1,176.40					1,176.40				
G	1,109.42	127.35	70.71	833.40		77.96				
Intermediate divided		70.71								
Total	2,285.82	198.06		833.40		1,254.36				
779. Radiocompass Station, Bethany Beach:										
E	260.50			260.50						
G	3,442.64	48.21	19.12	2,859.09		434.32		81.90		
Intermediate divided		19.12								
Total	3,703.14	67.33		3,119.59		434.32		81.90		

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
780. Radio Station, Cape Henlopen:									
E	$4,270.42	$102.56	$50.71	$600.52	$26.13	$3,490.50			
G	4,133.82	92.34	46.97	2,961.11		973.39		$60.01	
Indeterminate divided		97.68							
Total	8,404.24	292.58		3,561.63	26.13	4,463.89		60.01	
787. Radio Station, Navy Yard, Washington, D. C.:									
E	1,031.58	176.40	141.68	233.57	55.56	424.37			
G	*12,825.08*	40.08	27.39	858.77		*13,751.32*			
Indeterminate divided		169.07							
Total	*11,793.50*	385.55		1,092.34	55.56	*13,326.95*			
788. Radio Station (Radio Laboratory), Washington, D. C.:									
E	3,206.18	1,214.85	950.98	656.86	368.07	15.42			
G	60,659.35	53,695.27	2,693.65	*2,635.37*		6,905.80			
Indeterminate divided		3,644.63							
Total	63,865.53	58,554.75		*1,978.51*	368.07	6,921.22			
789. Naval Pigeon Station, Anacostia, D. C.:									
G	377.64			377.64					
790. Radio Station, Arlington, Va.:									
E	28,782.10	9,580.31	6,934.78	10,528.74	3,016.52	*1,278.25*			
G	23,626.89	4,012.73	1,077.53	13,114.88		*776.34*		126.59	$6,071.50
Indeterminate divided		8,012.31							
Total	52,408.99	21,605.35		23,643.62	3,016.52	*2,054.59*		126.59	6,071.50
791. Radio Station, Navy Department, Washington, D. C.:									
E	960.08			510.08		450.00			
G	77,984.84	7,453.74	4,549.34	25,276.62		18,591.71			22,113.43
Indeterminate divided		4,549.34							
Total	78,944.92	12,003.08		25,786.70		19,041.71			22,113.43

793. Radio Station, Indianhead, Md.:									
G	8.35			7.20		1.15			
794. Radio Station, Navy Yard, Norfolk, Va.:									
E	735.10			167.10		568.00			
G	13,309.58	834.68	2,959.30	9,107.35		408.25			
Indeterminate divided		2,959.20							
Total	14,044.68	3,793.98		9,274.45		976.25			
795. Radio Station (Radio Laboratory), Norfolk, Va.:									
G	1,137.47	361.50	193.96	459.34		122.67			
Indeterminate divided		193.96							
Total	1,137.47	555.46		459.34		122.67			
797. Radio Station, Virginia Beach, Va.:									
E	100.26			100.26					
G	4,437.52	407.49	229.34	3,360.90		435.29		4.50	
Indeterminate divided		229.34							
Total	4,537.78	636.83		3,461.16		435.29		4.50	
798. Radio Station, Horsehead City:									
E	700.00			700.00					
G	1,636.61	5.46	2.90	1,581.28		17.72		29.25	
Indeterminate divided		2.90							
Total	2,336.61	8.36		2,281.28		17.72		29.25	
799. Radio Station, Cape Hatteras:									
G	2,213.16	7.10	1.68	1,999.65		204.73			
Indeterminate divided		1.68							
Total	2,213.16	8.78		1,999.65		204.73			
800. Naval Pigeon Station, Norfolk, Va.:									
E	27.64				27.64				
G	20.68			10.73		9.95			
Total	48.32			10.73	27.64	9.95			
801. Radiocompass Station, Cape Lookout:									
G	2,425.83	.24	3.29	2,100.00		322.30			
Indeterminate divided		3.29							
Total	2,425.83	3.53		2,100.00		322.30			

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
802. Radiocompass Station, Hog Island:									
E	$67.81	$40.72	$18.53	$3.68	$4.88				
G	3,217.53			1,802.48		$48.90		$1,366.15	
Indeterminate divided		18.53							
Total	3,285.34	59.25		1,806.16	4.88	48.90		1,366.15	
803. Radiocompass Station, Poyners Hill:									
E	860.51			100.26		760.25			
G	2,839.78	238.86	95.91	2,082.26		422.75			
Indeterminate divided		95.91							
Total	3,700.29	334.77		2,182.52		1,183.00			
805. Radiocompass Station, Cape Hatteras:									
E	329.38	1.92		327.46					
G	2,208.20	209.69	110.80	1,879.61		8.10			
Indeterminate divided		110.80							
Total	2,537.58	322.41		2,207.07		8.10			
813. Radio Station, Navy Yard, Charleston, S. C.:									
E	7,170.48			1,614.48		5,556.00			
G	9,191.20	1,024.19	3,673.36	3,949.65		509.12		34.88	
Indeterminate divided		3,673.36							
Total	16,361.68	4,697.55		5,564.13		6,065.12		34.88	
814. Radio Station (Radio Laboratory), Charleston, S. C.:									
G	240.74		74.31	166.43					
Indeterminate divided		74.31							
Total	240.74	74.31		166.43					
817. Radio Station, Savannah, Ga.:									
G	348.18			345.03		3.15			

819. Radio Station, Parris Island:										
E	500.00					500.00				
G	134.58			134.58						
Total	634.58			134.58		500.00				
820. Radiocompass Station, North Island:										
E	726.54	6.24	3.43	714.06	2.81					
G	1,736.92	95.90	54.38	1,120.28		466.36				
Indeterminate divided		57.81								
Total	2,463.46	159.95		1,834.34	2.81	466.36				
821. Radio Station, Folly Island:										
E	739.02	12.48	6.86	714.06	5.62					
G	1,277.55	65.20	34.91	1,154.82		22.62				
Indeterminate divided		41.77								
Total	2,016.57	119.45		1,868.88	5.62	22.62				
874. Radio Station, Farallone Islands:										
G	4,171.58	500.02	153.97	2,371.20		652.39				$494.00
Indeterminate divided		153.97								
Total	4,171.58	653.99		2,371.20		652.39				494.00
875. Radio Station, Eureka:										
E	4,740.15	331.16	122.06	68.86	163.79	4,054.28				
G	7,862.73	1,124.31	271.30	4,329.42		1,018.83			66.22	1,052.65
Indeterminate divided		393.36								
Total	12,602.88	1,848.83		4,398.28	163.79	5,073.11			66.22	1,052.65
884. Radio Station (Radio Laboratory), San Diego, Calif.:										
G	8,698.61	1,728.78	105.54	1,576.32		5,287.97				
Indeterminate divided		105.54								
Total	8,698.61	1,834.32		1,576.32		5,287.97				
886. Radio Station, Mare Island, Calif.:										
E	9,519.15	2,899.30	1,336.62	4,049.70	517.23	716.30				
G	64,471.62	14,965.98	15,207.25	22,210.29		4,462.47			9.90	7,615.73
Indeterminate divided		16,543.87								
Total	73,990.77	34,409.15		26,259.99	517.23	5,178.77			9.90	7,615.73
888. Radio Station, Keyport, Wash.:										
E	8,920.96	668.87	297.66	2,330.13	64.63	5,559.67				
G	17,371.22	*11,917.69*	*4,119.98*	8,673.34		3,813.13				20,922.42
Indeterminate divided		*3,822.32*								
Total	26,292.18	*15,071.14*		11,003.47	64.63	9,372.80				20,922.42

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
889. Radio Station (Radio Laboratory), Seattle, Wash.:									
G	$7,544.96	$274.44	$122.16	$944.37		$6,203.99			
Indeterminate divided		122.16							
Total	7,544.96	396.60		944.37		6,203.99			
891. Radio Station, Tatoosh:									
G	7,114.75	1,798.18	550.66	2,547.43		231.48			$1,987.00
Indeterminate divided		550.66							
Total	7,114.75	2,348.84		2,547.43		231.48			1,987.00
892. Radio Station, Marshfield:									
E	350.00					350.00			
G	5,335.18	251.33	113.99	2,580.58		490.58			1,898.70
Indeterminate divided		113.99							
Total	5,685.18	365.32		2,580.58		840.58			1,898.70
894. Radio Station, Astoria, Oreg.:									
E	31,097.51	421.63	250.17	175.33	$124.80	30,125.58			
G	23,177.07	974.12	444.77	12,190.78		3,340.12			6,227.28
Indeterminate divided		694.94							
Total	54,274.58	2,090.69		12,366.11	124.80	33,465.70			6,227.28
896. Radio Station, Sitka, Alaska:									
E	1,548.25	944.08	297.67	42.26	264.24				
G	14,025.78	3,200.85	1,382.37	4,646.24		1,727.62			3,068.70
Indeterminate divided		1,680.04							
Total	15,574.03	5,824.97		4,688.50	264.24	1,727.62			3,068.70
897. Radio Station, Eyak:									
E	12,752.86	5,559.00	2,691.82	3,232.26	1,192.91	76.87			
G	46,247.69	8,531.74	3,661.91	11,368.68		8,279.33			14,406.03
Indeterminate divided		6,353.73							
Total	59,000.55	20,444.47		14,600.94	1,192.91	8,356.20			14,406.03

898. Radio Station, Kodiak:										
E	6,229.51	2,837.67	1,227.05	1,131.49	695.90	337.40				
G	10,375.26	2,796.88	1,029.07	2,864.19		757.33				2,927.79
Indeterminate divided		2,256.12								
Total	16,604.77	7,890.67		3,995.68	695.90	1,094.73				2,927.79
899. Radio Station, Seward:										
E	891.73	49.05	19.68	810.06	12.77	.17				
G	15,243.10	1,854.93	844.51	9,648.76		304.95				2,589.95
Indeterminate divided		864.19								
Total	16,134.83	2,768.17		10,458.82	12.77	305.12				2,589.95
900. Radio Station, St. Paul:										
E	6,459.00	2,138.32	929.63	2,690.55	440.43	260.07				
G	23,491.23	4,972.62	2,013.48	7,882.91		3,052.09				5,570.13
Indeterminate divided		2,943.11								
Total	29,950.23	10,054.05		10,573.46	440.43	3,312.16				5,570.13
901. Radio Station, St. George:										
G	774.47	463.28	187.06	124.13						
Indeterminate divided		187.06								
Total	774.47	650.34		124.13						
902. Radio Station, Dutch Harbor:										
E	2,692.09	1,008.42	457.45	889.26	296.38	40.58				
G	12,598.81	3,236.32	1,149.03	3,011.79		2,691.45				2,510.22
Indeterminate divided		1,606.48								
Total	15,290.90	5,851.22		3,901.05	296.38	2,732.03				2,510.22
903. Radio Station, Ketchikan:										
E	887.57	372.07	172.79	342.71						
G	5,457.71	3,595.49	1,428.10	422.17		11.95				
Indeterminate divided		1,600.89								
Total	6,345.28	5,568.45		764.88		11.95				
904. Radio Station, Juneau:										
E	*591.46*	*193.15*	*66.16*	*332.15*						
G	1,233.86	608.46	240.34	333.91		51.15				
Indeterminate divided		174.18								
Total	642.40	589.49		1.76		51.15				
905. Radio Station, Destruction Island:										
E	35,165.54	2,779.72	1,335.65	2,483.07	524.38	23,774.74		$4,267.98		
G	8,565.58	560.59	201.73	3,308.64		2,839.82				1,654.80
Indeterminate divided		1,537.38								
Total	43,731.12	4,877.69		5,791.71	524.38	26,614.56		4,267.98		1,654.80

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
911. Radio Station, Pearl Harbor, Hawaii:									
E	$9,884.51			$906.10		$8,978.41			
G	380,146.35	$21,453.06	$27,428.80	55,706.03		268,264.08		$145.80	$7,148.58
Indeterminate divided		27,428.80							
Total	390,030.86	48,881.86		56,612.13		277,242.49		145.80	7,148.58
912. Naval Pigeon Station, Honolulu, Hawaii:									
G	1,695.44			177.31					1,518.13
913. Radio Station, Hilo:									
E	762.00			762.00					
G	3,211.73	89.76	48.60	1,797.97		593.99		29.25	652.16
Indeterminate divided		48.60							
Total	3,973.73	138.36		2,559.97		593.99		29.25	652.16
919. Radio Station, Cavite, P. I.:									
E	45,159.76	631.64	646.77	5,507.23	$578.95	37,795.17			
G	173,695.13	23,816.47	1,812.50	72,788.12		758.61	$9,698.03	174.22	64,647.18
Indeterminate divided		2,459.27							
Total	218,854.89	26,907.38		78,295.35	578.95	38,553.78	9,698.03	174.22	64,647.18
920. Radio Station, Olongapo, P. I.:									
E	121.50			121.50					
G	1,022.15	107.16	122.88	790.96		1.15			
Indeterminate divided		122.88							
Total	1,143.65	230.04		912.46		1.15			
934. Radio Station, Point St. George:									
E	33,454.87	656.61	101.63	3,948.27	38.36	26,283.58		2,426.42	
G	2,293.60	426.83	42.05	1,208.13		152.74			463.85
Indeterminate divided		143.68							
Total	35,748.47	1,227.12		5,156.40	38.36	26,436.32		2,426.42	463.85

935. RADIO STATION, POINT REYES:										
G	4,161.17	805.22	120.26	1,737.02		959.12				539.55
Indeterminate divided		120.26								
Total	4,161.17	925.48		1,737.02		959.12				539.55
937. RADIO STATION, POINT MONTARA:										
G	3,028.53	405,22	55.00	1,426.19		681.97				460.15
Indeterminate divided		55.00								
Total	3,028.53	460.22		1,426.19		681.97				460.15
940. RADIO STATION, CATTLE POINT:										
G	4,203.12	202.95	72.13	1,628.11		329.19				1,970.74
Indeterminate divided		72.13								
Total	4,203.12	275.08		1,628.11		329.19				1,970.74
941. RADIO STATION, NEW DUNGENESS:										
E	7,707.43	2,913.94	1,210.95	2,070.11	579.46	932.97				
G	3,626.04	341.93	132.72	1,340.62		*212.57*				2,023.34
Indeterminate divided		1,343.67								
Total	11,333.47	4,599.54		3,410.73	579.46	720.40				2,023.34
946. RADIOCOMPASS STATION, FORT STEVENS:										
E	121.42	60.74	26.03	22.48	12.17					
G	3,670.91	161.22	70.47	1,614.33		42.50				1,782.39
Indeterminate divided		96.50								
Total	3,792.33	318.46		1,636.81	12.17	42.50				1,782.39
947. RADIOCOMPASS STATION, EMPIRE:										
E	591.32	11.36	5.75	168.45	85.76	320.00				
G	3,477.84	233.50	116.99	1,144.70		191.28				1,791.37
Indeterminate divided		122.74								
Total	4,069.16	367.60		1,313.15	85.76	511.28				1,791.37
952. RADIO STATION, SMITHS ISLAND:										
G	3,577.40	98.03	35.69	1,623.53		89.45				1,730.70
Indeterminate divided		35.69								
Total	3,577.40	133.72		1,623.53		89.45				1,730.70
969. RADIO STATION (RADIO LABORATORY) PEARL HARBOR HAWAII:										
G	6,364.29	65.83	37.96	619.82		5,640.68				
Indeterminate divided		37.96								
Total	6,364.29	103.79		619.82		5,640.68				

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

INDUSTRIAL YARDS AND RADIO STATIONS MAINTAINED THEREBY—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	Statistical overhead	Material other than N. S. A.	N. S. A. material issued on invoice	Public vouchers and auditors' settlements	Pay and allowances
970. RADIO STATION, SOAPSTONE POINT:									
E	$34.91	$4.21	$1.82	$28.10	$0.78				
G	4,172.05	546.27	213.68	1,329.82		$149.77			$1,932.51
Indeterminate divided		215.50							
Total	4,206.96	765.98		1,357.92	.78	149.77			1,932.51
971. RADIO STATION, HINCHINBRUKK:									
E	447.56	238.58	101.30	62.50	45.18				
G	5,873.15	1,277.40	487.95	1,797.15		62.15			2,248.50
Indeterminate divided		589.25							
Total	6,320.71	2,105.23		1,859.65	45.18	62.15			2,248.50
973. RADIO STATION, SARICHEF:									
G	122.50	86.88	35.62						
Indeterminate divided		35.62							
Total	122.50	122.50							
974. RADIO STATION, SCOTCH CAP:									
E	820.25	507.82	299.45	12.98					
Indeterminate divided		299.45							
Total	820.25	807.27		12.98					
975. RADIO STATION, LAKEHURST:									
E	226.29	6.80		184.49		35.00			
G	2,923.49	1,651.11		1,271.23		1.15			
S	2,167.12	922.96		89.09		1,155.07			
Total	5,316.90	2,580.87		1,544.81		1,191.22			
982. RADIO STATION, PEKING, CHINA:									
E	17,869.19			534.34		17,334.85			
G	8,165.53	468.53	14.28	5,347.27		934.07		$1,401.38	
Indeterminate divided		14.28							
Total	26,034.72	482.81		5,881.61		18,268.92		1,401.38	

985. Radio Station, Quantico:									
G	832.58			722.70		109.88			
986. Marine Pigeon Station (Marine Land Force), San Domingo:									
G	153.27			124.83		28.44			
987. Radio Station, Shanghai, China:									
E	161.40			161.40					
G	3,477.60			231.20		1.15		157.61	3,087.64
Total	3,639.00			392.60		1.15		157.61	3,087.64
988. Radiocompass Station, Lakehurst:									
E	500.00			500.00					
G	65.48			58.46		7.02			
Total	565.48			558.46		7.02			
989. Radio Station, Anacostia, D. C.:									
G	1,019.32	41.60	33.28	918.51		25.93			
Indeterminate divided		33.28							
Total	1,019.32	74.88		918.51		25.93			
990. Radiocompass Station, Tybee Island:									
G	761.54			112.05		649.49			
993. Radio Station, Klipsan Beach:									
G	3,735.90	70.13	33.30	1,198.25		508.52			1,925.70
Indeterminate divided		33.30							
Total	3,735.90	103.43		1,198.25		508.52			1,925.70
998. Marine Pigeon Station (Marine Land Force), Quantico:									
G	80.07			80.07					
999. Naval Pigeon Station, Indianhead, Md.:									
G	172.42			172.34		.08			

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
101. FUEL DEPOT, FRENCHMANS BAY, ME.:									
S	$1,285.20								$1,285.20
105. NAVAL HOSPITAL, PORTSMOUTH, N. H.:									
R	7,026.01				$7,026.01				
S	134,921.79	$19,070.45		$26,378.65	18,397.69	$10,608.41	*$2,040.75*	$4,234.41	58,272.93
Retirement fund deducted	*286.73*	*286.73*							
Total	141,661.07	18,783.72		26,378.65	25,423.70	10,608.41	*2,040.75*	4,234.41	58,272.93
109. NAVY MINE DEPOT, YORKTOWN, VA.:									
R	16,610.43	555 97		389.27	15,029.17	636.02			
S	213,747.55	146,301.14		18,698.46	10,107.50	1,694.25	541.67	467.09	35,937.44
V	97,818.85	35,117.99		1,726.55	60,974.31				
Z	88,170.28	8,611.17		171.28	79,387.83				
Retirement fund deducted	*4,747.22*	*4,747.22*							
Proceeds of sales	76.64	76.64							
Total	411,676.53	185,915.69		20,985.56	165,498.81	2,330.27	541.67	467.09	35,937.44
112. NAVAL HOSPITAL, BOSTON, MASS.:									
R	1,682.38				1,682.38				
S	864,573.36	153,683.49		60,706.85	167,737.62	45,780.71	*7,723.50*	30,693.59	413,694.60
V	854.00			143.00	711.00				
Retirement fund deducted	*2,952.12*	*2,952.12*							
Total	864,157.62	150,731.37		60,849.85	170,131.00	45,780.71	*7,723.71*	30,693.59	413,694.60
113. NAVAL AMMUNITION DEPOT, HINGHAM, MASS.:									
R	919.87				522.12	397.75			
S	225,811.06	150,031.38		15,542.29	37,737.06	12,121.91	363.37	239.33	9,775.72
V	50,355.91	39,380.46		2,094.37	8,881.08				
Z	728.71	358.92			369.79				
Retirement fund deducted	*5,136.98*	*5,136.98*							
Other Government departments	12.54	12.54							

Special deposits	19.12	19.12							
Proceeds of sales	153.72	153.72							
Foreign Governments	2,232.14	1,943.52		288.62					
Total	275,096.09	186,762.68		17,925.28	47,510.05	12,519.66	363.37	239.33	9,775.72
118. NAVAL AIR STATION, CHATHAM, MASS.:									
S	133.52						15.57	117.95	
120. NAVY PURCHASING OFFICE, NEWPORT, R. I.:									
S	78.89					78.89			
V	8,940.15	8,940.15							
Retirement fund deducted	*223.49*	*223.49*							
Total	8,795.55	8,716.66				78.89			
121. NAVAL TRAINING STATION, NEWPORT, R. I.:									
D	27,827.81	23,900.42		3,540.90	386.49				
R	68,090.89			8,511.24	57,939.65	1,640.00			
S	1,746,810.00	121,511.42		239,468.78	30,804.88	1,129.02	146,788.28	13,366.77	1,193,740.85
V	3,339.92	3,339.92							
Z	13,033.41	297.97		12,735.44					
Retirement fund deducted	*3,677.26*	*3,677.26*							
Special deposits	38.24			38.24					
Proceeds of sales	513.33			513.33					
Total	1,855,976.34	145,372.47		264,807.93	89,131.02	2,769.02	146,788.28	13,366.77	1,193,740.85
122. NAVAL TORPEDO STATION. NEWPORT, R. I.:									
P	2,152.04	1,532.35		83.38	536.31				
R	16,777.50				16,777.50				
S	1,233,881.17	316,147.20		182,071.10	67,984.76	1,668.57	54,047.16	1,646.50	610,315.88
V	1,145,188.11	508,176.46		45,173.75	591,837.90				
Z	3,407,542.95	1,209,315.38		97,002.35	2,101,225.22				
Retirement fund deducted	*50,757.75*	*50,757.75*							
Special deposits	2,075.31	1,898.77		176.54					
Proceeds of sales	957.31	924.16		33.15					
Total	5,757,816.64	1,987,236.57		324,540.27	2,778,361.69	1,668.57	54,047.16	1,646.50	610,315.88
123. NAVAL STATION, NARRAGANSETT BAY, R. I.:									
R	27,803.29	16,199.75		4,304.05	4,990.56	2,308.93			
S	416,138.67	166,235.54		53,780.09	59,893.43	23,426.41	9,808.02		102,995.18
V	25.00				25.00				
Z	158,682.93	114,248.28		44,434.65					
Retirement fund deducted	*6,993.51*	*6,993.51*							
Special deposits	141.73	134.30		7.43					
Proceeds of sales	75.98	75.98							
Total	595,874.09	289,900.34		102,526.22	64,908.99	25,735.34	9,808.02		102,995.18

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
124. NAVAL WAR COLLEGE, NEWPORT, R. I.:									
R	$1,361.43			$500.43	$800.00	$61.00			
S	200,744.56	$73,017.22		10,027.51	5,755.10	4,423.89			$107,520.84
Retirement fund deducted	*1,744.53*	*1,744.53*							
Total	200,361.46	71,272.69		10,527.94	6,555.10	4,484.89			107,520.84
125. FUEL DEPOT, MELVILLE, R. I.:									
R	724.39			724.39					
S	119,920.28	82,976.64		34,423.83	845.50	609.50			1,064.81
V	14.00					14.00			
Z	10,683.58	8,481.38		2,202.20					
Retirement fund deducted	*2,220.65*	*2,220.65*							
Total	129,121.60	89,237.37		37,350.42	845.50	623.50			1,064.81
129. SUBMARINE BASE, NEW LONDON, CONN.:									
R	88,294.94	4,275.25		*638.90*	84,083.09	575.50			
S	468,722.58	122,122.46		130,909.99	36,008.26	16,498.39	$97,892.46	$6,812.43	58,478.59
Retirement fund deducted	*2,800.76*	*2,800.76*							
Marine Corps	161.70			161.70					
Proceeds of sales	345.28	345.28							
Total	554,723.74	123,942.23		130,432.79	120,091.35	17,073.89	97,892.46	6,812.43	58,478.59
132. NAVAL SUPPLY DEPOT, SOUTH BROOKLYN, N. Y.:									
A	*8,317.87*				*8,317.87*				
R	1,069.00				1,069.00				
S	1,054,392.72	810,374.10		95,793.17	7,762.70	29,865.49		1,012.37	109,584.89
V	69,307.08	10,177.48		25,113.75	34,015.85				
Z	5,985,463.79	1,069,680.89		683,008.73	4,232,774.17				
Retirement fund deducted	*31,252.01*	*31,252.01*							

Special deposits	549.03	394.50		154.53					
Proceeds of sales	11,483.84	11,302.49		181.35					
Total	7,082,695.58	1,870,677.45		804,251.53	4,267,303.85	29,865.49		1,012.37	109,584.89
134. NAVAL MAGAZINE, FORT LAFAYETTE, N. Y.:									
R	1,350.00				1,350.00				
S	19,968.18	15,987.68		752.39	3,228.11				
Retirement fund deducted	*399.68*	*399.68*							
Total	20,918.50	15,588.00		752.39	4,578.11				
135. NAVAL AMMUNITION DEPOT, IONA ISLAND, N. Y.:									
R	17,423.05			2,993.80	14,429.25				
S	292,988.46	190,985.54		19,163.76	14,329.32	255.98	956.73	247.63	67,049.50
V	49,870.75	36,531.72		1,169.29	12,169.74				
Z	22,347.74	9,643.34		1,758.73	10,945.67				
Retirement fund deducted	*5,886.81*	*5,886.81*							
Special deposits	47.70	47.70							
Total	376,790.89	231,321.49		25,085.58	51,873.98	255.98	956.73	247.63	67,049.50
136. NAVAL AMMUNITION DEPOT, LAKE DENMARK, N. J.:									
S	178,930.39	135,772.08		22,266.11	19,103.40	70.92	232.09	555.76	930.03
V	743.58	729.00		14.58					
Retirement fund deducted	*3,359.53*	*3,359.53*							
Total	176,314.44	133,141.55		22,280.69	19,103.40	70.92	232.09	555.76	930.03
137. NAVAL HOSPITAL, NEW YORK, N. Y.:									
S	1,188,348.04	198,672.21		53,161.51	178,653.40	116,603.52	18,316.40	25,728.18	597,212.82
V	*5,208.37*				*5,283.37*	75.00			
Retirement fund deducted	*3,788.25*	*3,788.25*							
Total	1,179,351.42	194,883.96		53,161.51	173,370.03	116,678.52	18,316.40	25,728.18	597,212.82
140. NAVY PURCHASING OFFICE, NEW YORK, N. Y.:									
R	87.50				87.50				
S	524,860.68	54,166.57		3,609.18	16.80	1,391.47			465,676.66
V	148,166.46	126,932.32		20,141.73	1,092.41				
Retirement fund deducted	*4,428.01*	*4,428.01*							
Total	668,686.63	176,670.88		23,750.91	1,196.71	1,391.47			465,676.66
144. MEDICAL SUPPLY DEPOT, NEW YORK, N. Y.:									
R	2,328.38				2,328.38				
S	116,119.84	93,621.72		5,955.22	12,078.03	3,063.95			1,400.92
Retirement fund deducted	*2,304.20*	*2,304.20*							
Total	116,144.02	91,317.52		5,955.22	14,406.41	3,063.95			1,400.92

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
148. Naval Air Station, Rockaway Beach, N. Y.:									
S	$8,900.74	$6,639.67		$1,599.06	*$28.13*	$93.00			$597.14
Retirement fund deducted	*126.20*	*126.20*							
Total	8,774.54	6,513.47		1,599.06	*28.13.*	93.00			597.14
152. Naval Ammunition Depot, Fort Mifflin, Philadelphia, Pa.:									
R	756.27			580.00	176.27				
S	240,184.88	180,449.92		21,604.46	6,687.64	926.81	$356.14	$437.00	29,722.91
V	30,487.44	27,598.02		277.26	2,612.16				
Z	4,669.41	1,461.00		206.19	3,002.22				
Retirement fund deducted	*5,241.60*	*5,241.60*							
Other Government departments	2,341.88	1,774.78		567.10					
Total	273,198.28	206,042.12		23,235.01	12,478.29	926.81	356.14	437.00	29,722.91
153. Naval Home, Philadelphia, Pa.:									
R	4,221.00	176.41		157.86	3,886.73				
S	201,510.67	73,693.51		16,791.38	37,802.88	31,471.72	11,840.39	716.06	29,194.73
V	465.89				465.89				
Retirement fund deducted	*1,549.38*	*1,549.38*							
Total	204,648.18	72,320.54		16,949.24	42,155.50	31,471.72	11,840.39	716.06	29,194.73
157. Naval Air Station, Cape May, N. J.:									
S	3,070.00								3,070.00
158. Naval Hospital, League Island, Pa.:									
R	2,222.50			157.50	1,550.00	515.00			
S	758,187.00	94,766.87		53,706.33	101,478.27	54,585.18	18,061.98	29,845.75	405,742.62
V	15.00				15.00				
Retirement fund deducted	*1,530.68*	*1,530.68*							
Total	758,893.82	93,236.19		53,863.83	103,043.27	55,100.18	18,061.98	29,845.75	405,742.62

159. Destroyers Stores Office, Philadelphia, Pa.:									
S	4,317.47								4,317.47
161. Naval Academy, Annapolis, Md.:									
R	112,252.63	14,781.58		4,029.74	73,682.32	19,758.99			
S	5,742,460.92	1,767,737.68		282,892.54	513,371.80	18,245.72	595.42	14,430.11	3,145,187.65
V	58,455.86	66,945.76		1,039.51	*9,529.41*				
Retirement fund deducted	*36,787.07*	*36,787.07*							
Special deposits	14,926.23	14,029.05		897.18					
Total	5,891,308.57	1,826,707.00		288,858.97	577,524.71	38,004.71	595.42	14,430.11	3,145,187.65
162. Naval Hospital, Annapolis, Md.:									
S	141,736.95	20,407.93		5,778.54	19,240.65		10,009.43	4,308.72	81,991.68
Retirement fund deducted	*298.98*	*298.98*							
Total	141,437.97	20,108.95		5,778.54	19,240.65		10,009.43	4,308.72	81,991.68
165. Naval Ordnance Plant, South Charleston, W. Va.:									
R	177.73					177.73			
S	203,046.98	111,360.78		8,947.15	53,376.37	332.29	513.86	269.77	28,246.76
V	1,317.02	983.91		275.82	57.29				
Z	343.84	314.21		29.63					
Retirement fund deducted	*3,080.90*	*3,080.90*							
Marine Corps	69.47	66.16		2.64	.67				
Special deposits	15,099.29	6,119.87		8,979.42					
Proceeds of sales	10,203.73	8,218.09		1,985.64					
Total	227,177.16	123,982.12		20,220.30	53,434.33	510.02	513.86	269.77	28,246.76
166. Naval Air Station, Anacostia, Washington, D. C.:									
S	522,115.00	34,186.40		66,129.52	43,948.19	507.84	28,413.71	1,161.10	347,768.24
Retirement fund deducted	*854.50*	*854.50*							
Total	521,260.50	33,331.90		66,129.52	43,948.19	507.84	28,413.71	1,161.10	347,768.24
172. Naval Observatory, Washington, D. C.:									
S	163,198.86					109,883.53	486.14	2,610.86	50,218.33
173. Naval Research Laboratory, Bellevue, D. C.:									
R	176,164.91	8,297.14		18,301.42	120,656.29	28,910.06			
S	119,826.96	69,123.51		8,622.14	14,698.72	4,838.20			22,544.39
V	209,725.64	142,469.66		56,569.82	10,686.16				
Z	9,175.10	7,226.10		1,949.00					
Retirement fund deducted	*5,471.88*	*5,471.88*							
Special deposits	25.50	25.50							
Total	509,446.23	221,670.03		85,442.38	146,041.17	33,748.26			22,544.39

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
174. NAVAL POWDER FACTORY, INDIANHEAD, MD.:									
R	$8,308.20	$36.96		$0.04	$3,021.20	$5,250.00			
S	543,837.39	293,104.41		37,833.00	27,685.71	4,445.97	$20.07	$1,278.37	$179,469.86
V	26,919.92	24,657.24		863.66	1,384.02	15.00			
Z	1,043,536.67	372,886.25		166,136.93	504,513.49				
Retirement fund deducted	*17,600.69*	*17,600.69*							
Special deposits	26,381.47	11,578.37		14,803.10					
Proceeds of sales	486.85	486.85							
Total	1,631,869.81	685,149.39		219,636.73	536,604.42	9,710.97	20.07	1,278.37	179,469.86
175. NAVAL HOSPITAL, WASHINGTON, D. C.:									
R	1,618.52				1,618.52				
S	992,044.56	146,732.71		11,624.30	112,714.23	73,920.58	*3,295.98*	16,757.83	633,590.89
V	287.20			82.20	205.00				
Retirement fund deducted	*2,261.95*	*2,261.95*							
Total	991,688.33	144,470.76		11,706.50	114,537.75	73,920.58	*3,295.98*	16,757.83	633,590.89
176. NAVAL MEDICAL SCHOOL, WASHINGTON, D. C.:									
S	16,795.60	10,178.94		641.30	2,749.68	3,225.68			
Retirement fund deducted	*254.39*	*254.39*							
Total	16,541.21	9,924.55		641.30	2,749.68	3,225.68			
178. NAVAL PROVING GROUND, DAHLGREN, VA.:									
R	7,371.48	965.08		11.40	6,395.00				
S	437,711.97	284,777.43		57,100.61	61,144.55	230.97			34,458.41
V	468,522.77	59,249.89		14,203.13	395,069.75				
Z	729.96	147.00		518.96	64.00				
Retirement fund deducted	*8,816.64*	*8,816.64*							
Other Government departments	539.14	212.34		326.80					
Special deposits	5,743.17	1,288.22		4,454.95					
Total	911,801.85	337,823.32		76,615.85	462,673.30	230.97			34,458.41

179. NAVY DISBURSING OFFICE, WASHINGTON, D. C.:									
S	*55,717.66*	*53,416.01*				*2,351.21*	48.31	1.25	
V	53,416.01	53,416.01							
Total	*2,301.65*					*2,351.21*	48.31	1.25	
180. FUEL-OIL DEPOT, YORKTOWN, VA.:									
S	25,671.31	17,762.06		5,635.77	164.74	5.00	66.51		2,037.23
Retirement fund deducted	*437.73*	*437.73*							
Total	25,233.58	17,324.33		5,635.77	164.74	5.00	66.51		2,037.23
182. NAVAL AMMUNITION DEPOT, ST. JULIENS CREEK, VA.:									
R	2,945.73				2,945.73				
S	242,328.18	176,577.23		23,655.70	10,843.63	5,503.31	764.04	248.51	24,735.76
V	74,418.74	63,298.63		3,273.51	7,846.60				
Z	10,974.92	3,448.87		75.64	7,450.41				
Retirement fund deducted	*6,071.34*	*6,071.34*							
Other Government departments	23.56	23.56							
Total	324,619.79	237,276.95		27,004.85	29,086.37	5,503.31	764.04	248.51	24,735 76
183. NAVAL HOSPITAL, NORFOLK, VA.:									
R	5,811.30				5,811.30				
S	1,264,399.60	158,753.55		68,342.73	192,289.77	50,803.56	112,881.34		681,328.65
V	367.63			87.36	280.27				
Z				*262.02*	262.02				
Retirement fund deducted	*2,637.28*	*2,637.28*							
Total	1,267,941.25	156,116.27		68,168.07	198,643.36	50,803.56	112,881.34		681,328.65
185. NAVAL TRAINING STATION, HAMPTON ROADS, VA.:									
S	933,358.64					3,073.00	191,562.13		738,723 51
186. SUBMARINE BASE, HAMPTON ROADS, VA.:									
S	77,643.61			7,607.76	187.31				69,848 54
187. NAVAL OPERATING BASE, HAMPTON ROADS, VA.:									
A	*13,588.23*			*1,807.48*	*11,780.75*				
P	126.21	113.20		13.01					
R	115,185.32	23,259.10		8,669.45	83,256.77				
S	2,978,757.43	1,091,724.27		350,760.43	193,288.09	5,225.47	274,408.58	29,270.55	1,034,080.04
V	79,098.47	23,660.26		24,522.49	30,915.72				
Z	154,961.06	115,988.26		26,498.39	12,474.41				
Retirement fund deducted	*31,114.64*	*31,114.64*							
Marine Corps	7,018.41	5,493.59		1,524.82					
Special deposits	4,708.66	2,154.69		2,553.97					
Proceeds of sale	2,835.53	2,835.53							
Total	3,297,988.22	1,234,114.26		412,735.08	308,154.24	5,225.47	274,408.58	29,270.55	1,034,080.04

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
188. NAVAL AIR STATION, HAMPTON ROADS, VA.:									
R	$1,666,112.36				$1,666,112.36				
S	*668,772.56*			$105,609.22	*1,391,328.82*	$17,505.99	$58,316.99		$541,124.06
Total	997,339.80			105,609.22	274,783.54	17,505.99	58,316.99		541,124.06
192. NAVAL HOSPITAL, PORT ROYAL, S. C.:									
R	3,268.30					3,268.30			
S	222,805.98	$13,714,80		20,875.39	32,146.69	2,297.42	19,931.72	$5,590.86	128,249.10
V	34.62			34.62					
Retirement fund deducted	*230.96*	*230.96*							
Total	225,877.94	13,483.84		20,910.01	32,146.69	5,565.72	19,931.72	5,590.86	128,249.10
194. NAVAL PRISON, PARRIS ISLAND, S. C.:									
S	9,896.77			6,216.92	117.05	2,523.39	1,039.41		
199. NAVAL HOSPITAL, CHARLESTON, S. C.:									
R	1,476.83			8.06	1,066.62	402.15			
S	99,076.74	15,517.29		12,652.36	18,099.93	5,394.76	*1,029.43*	3,031.63	45,410.20
Retirement fund deducted	*267.49*	*267.49*							
Total	100,286.08	15,249.80		12,660.42	19,166.55	5,796.91	*1,029.43*	3,031.63	45,410.20
201. NAVAL STATION, KEY WEST, FLA.:									
D	14,085.12	10,937.10		2,937.21	210.81				
P	3,591.03	2,746.30		844.23	.50				
R	61,393.74	1,851.75		2,618.70	56,923.29				
S	401,438.23	155,606.12		76,644.00	17,954.27	485.88	7,189.16	28.00	143,530.80
V	309.97	73.92		33.24	202.81				
Z	120,264.67	7,941.67		112,323.00					
Retirement fund deducted	*4,299.37*	*4,299.37*							
Marine Corps	601.95	414.27		187.56	.12				
Other Government departments	3,034.55	1,510.66		1,523.89					
Special deposits	1,089.65	929.50		160.15					
Total	601,509.54	177,711.92		197,271.98	75,291.80	485.88	7,189.16	28.00	143,530.80

204. NAVAL AIR STATION, PENSACOLA, FLA.:									
D	8,501.91	6,941.88		1,188.92	371.11				
K	811.45	736.18		60.97	14.30				
R	60,915.96	9,665.19		7,480.84	41,767.88	2,002.05			
S	2,186,619.27	390,524.39		127,191.93	193,351.26	11,898.19	82,548.68	10,936.27	1,370,168.55
V	911,605.04	362,725.40		137,691.63	411,188.01				
Z	159,997.31	66,597.91		55,441.66	37,957.74				
Retirement fund deducted	*20,664.68*	*20,664.68*							
Marine Corps	1,408.73	889.25		519.48					
Other Government departments	262.50	171.97		90.53					
Special deposits	1,197.82	275.17		922.65					
Proceeds of sales	273.16	253.76		19.40					
Total	3,310,928.47	818,116.42		330,608.01	684,650.30	13,900.24	82,548.68	10,936.27	1,370,168.55
205. NAVAL STATION, NEW ORLEANS, LA.:									
D	5,139.09	3,227.22		1,911.87					
S	243,737.22	94,449.72		20,556.61	17,450.91	1,798.67	2,578.73	585.82	106,316.76
V	2,378.50			46.56	2,331.94				
Z	956.09	455.64		500.45					
Retirement fund deducted	*2,497.16*	*2,497.16*							
Marine Corps	7,114.98	4,487.36		2,627.62					
Other Government departments	7,180.69	5,955.73		1,224.96					
Special deposits	1,230.53	628.19		602.34					
Total	265,239.94	106,706.70		27,470.41	19,782.85	1,798.67	2,578.73	585.82	106,316.76
210. NAVAL TRAINING STATION, GREAT LAKES, ILL.:									
D	373.67	373.20		.47					
R	32,653.26			625.84	23,406.80	8,620.62			
S	2,145,310.69	509,838.62		174,449.81	167,633.19	90,202.12	169,220.25	31,132.59	1,002,834.11
V	150,768.75	131,621.10		18,912.34	235.31				
Z	47.00	47.00							
Retirement fund deducted	*13,922.38*	*13,922.38*							
Marine Corps									
Other Government departments	6,027.29	5,716.21		311.08					
Special deposits	7,671.55	4,785.99		2,885.56					
Proceeds of sales	6,512.67	6,309.97		202.70					
Total	2,335,442.50	644,769.71		197,387.80	191,275.30	98,822.74	169,220.25	31,132.59	1,002,834.11
215. NAVAL TORPEDO PLANT, ALEXANDRIA, VA.:									
R	4,968.94				4,968.94				
S	77,691.76	49,778.94		3,289.24	19,621.71	515.45	3,997.42		489.00
Retirement fund deducted	*1,245.69*	*1,245.69*							
Special deposits	119.48	90.58		28.90					
Total	81,534.49	48,623.83		3,318.14	24,590.65	515.45	3,997.42		489.00

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
217. NAVAL ARGON PLANT, FORT WORTH, TEX.:									
R	$310,110.44	$12,979.67			$241,081.99	$56,048.78			
S	518,231.26	80,011.20		$16,643.40	220,522.56	182,311.99		$4.11	$18,738.00
V	86.00				86.00				
Retirement fund deducted	*1,346.27*	*1,346.27*							
Total	827,081.43	91,644.60		16,643.40	461,690.55	238,360.77		4.11	18,738.00
219. NAVAL OPERATING BASE, SAN FRANCISCO, CALIF.:									
C	2,382.64	2,382.64							
S	10,807.10	3,769.20		3,753.29	1,884.61	1,400.00			
V	145,900.23	130,484.44		4,654.71	10,761.08				
Retirement fund deducted	*3,335.24*	*3,335.24*							
Total	155,754.73	133,301.04		8,408.00	12,645.69	1,400.00			
220. NAVY PURCHASING OFFICE, SAN FRANCISCO, CALIF.:									
S	23,325.30						$1,291.14		22,034.16
222. NAVAL AMMUNITION DEPOT, MARE ISLAND, CALIF.:									
R	132,092.02			200.00	131,892.02				
S	185,011.12	141,501.10		17,074.91	25,474.66	3.00			957.45
V	79,227.69	70,203.13		2,060.89	6,963.67				
Z	10,343.08	3,038.96			7,304.12				
Retirement fund deducted	*5,363.44*	*5,363.44*							
Total	401,310.47	209,379.75		19,335.80	171,634.47	3.00			957.45

224. FUEL DEPOT, TEHURON, CALIF.:									
S	87,106.41	52,805.83		9,921.02	1,738.64	22,303.25			337.67
Retirement fund deducted	*1,207.09*	*1,207.09*							
Total	75,899.32	51,598.74		9,921.02	1,738.64	22,303.25			337.67
225. FUEL DEPOT, SAN DIEGO, CALIF.:									
D	13.75				13.75				
R	186,143.72	14.24		94.94	184,564.20	1,470.34			
S	112,432.44	64,103.36		37,523.26	5,756.76	3,435.66	16.20		1,597.20
V	348.63	202.73		145.90					
Z	11,700.14	4,159.65		7,540.49					
Retirement fund deducted	*1,696.25*	*1,696.25*							
Total	308,942.43	66,783.73		45,304.59	190,334.71	4,906.00	16.20		1,597.20
226. NAVAL HOSPITAL, MARE - LAND, CALIF.:									
R	27,641.02			70.00	27,571.02				
S	944,558.86	113,053.04		62,301.10	83,217.01	50,595.89	9,041.34	58,824.81	567,525.67
V	2,642.07				2,642.07				
Retirement fund deducted	*2,128.50*	*2,128.50*							
Total	972,713.45	110,924.54		62,371.10	113,430.10	50,595.89	9,041.34	58,824.81	567,525.67
227. MEDICAL SUPPLY DEPOT, MARE ISLAND, CALIF.:									
G	*1,613.49*	*1,429.73*		*183.76*					
S	22,767.96	18,421.20		3,715.39	631.37				
Retirement fund deducted	*460.55*	*460.55*							
Total	20,693.92	16,530.92		3,531.63	631.37				
243. MARINE CORPS BASE, SAN DIEGO, CALIF.:									
R	455,491.99	5.20		70.00	179,588.35	275,828.44			
S	46,924.21			106.90	393.19	111.08	953.88	114.91	45,244.25
Retirement fund deducted	*.13*	*.13*							
Total	502,416.07	5.07		176.90	179,981.54	275,939.52	953.88	114.91	45,244.25
244. NAVAL SUPPLY DEPOT, NAVAL BASE, SAN DIEGO, CALIF.:									
R	97,253.39			1,630.68	95,622.71				
S	244,400.30	136,192.84		13,789.98	11,192.10	681.21	2,787.28		79,756.89
V	182,970.63	154,757.70		17,170.66	11,042.27				
Z	961.14	467.56		493.58					
Retirement fund deducted	*7,506.23*	*7,506.23*							
Proceeds of sales	506.00	506.00							
Total	518,585.23	284,417.87		33,084.90	117,857.08	681.21	2,787.28		79,756.89

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoi es	Pay and allowances
245. DESTROYER REPAIR BASE, SAN DIEGO, CALIF.:									
D	$79,756.59			$47,539.36	$32,217.23				
K	1,158.88			1.03	1,157.85				
P	318.37			250.84	67.53				
R	19,771.24	$726.96		1,656.24	13,226.59	$4,161.45			
S	161,863.34	25,443.54		97,223.82	32,862.60	5,550.33	$783.05		
V	44,684.03	8,507.62		16,731.60	19,444.81				
Retirement fund deducted	*866.88*	*866.88*							
Special deposits	38.21			38.21					
Total	306,723.78	33,811.24		163,441.10	98,976.61	9,711.78	783.05		
246. NAVAL AIR STATION, SAN DIEGO, CALIF.:									
P	90.00				90.00				
R	179,869.60	10,986.98		8,239.74	159,905.13	737.75			
S	1,331,725.55	171,616.88		109,782.44	26,047.72	19,801.98	105,503.63	$1,571.16	$897,401.74
V	373,905.50	10,172.13		27,138.33	336,591.90	3.14			
Z	2,376.57	1,823.97		540.60	12.00				
Retirement fund deducted	*4,864.67*	*4,864.67*							
Total	1,883,102.55	189,735.29		145,701.11	522,646.75	20,542.87	105,503.63	1,571.16	897,401.74
247. NAVAL TRAINING STATION, SAN DIEGO, CALIF.:									
R	61,959.11			1,214.70	52,055.21	8,689.20			
S	1,441,997.06	27,565.14		141,925.63	20,031.63	15,473.90	245,012.25	4,836.45	987,152.06
V	165.00			95.00	70.00				
Retirement fund deducted	*689.69*	*689.69*							
Total	1,503,431.48	26,875.45		143,235.33	72,156.84	24,163.10	245,012.25	4,836.45	987,152.06
248. DESTROYER STORES OFFICE, SAN DIEGO, CALIF.:									
R	280.00			280.00					
S	7,259.79	4,767.44		369.95	5.00				2,117.40
Retirement fund deducted	*119.22*	*119.22*							
Total	7,420.57	4,648.22		649.95	5.00				2,117.40

249. NAVAL TORPEDO SCHOOL, SAN DIEGO, CALIF.:									
S	7,013.00						70,013.00		
252. NAVAL AMMUNITION DEPOT, PUGET SOUND, WASH.:									
R	10,373.16				10,373.16				
S	78,583.84	59,686.95		11,147.40	4,376.68	8.00			3,364.81
V	46,366.91	44,229.98		1,505.02	631.91				
Z	8,621.83	2,393.98		252.18	5,975.67				
Retirement fund deducted	*2,649.69*	*2,649.69*							
Special deposits	14.75			14.75					
Proceeds of sales	87.82	87.82							
Total	141,398.62	103,749.04		12,919.35	21,357.42	8.00			3,364.81
253. PACIFIC COAST TORPEDO STATION, KEYPORT, WASH.:									
R	20,558.97	6,227.52		550.11	6,788.12	6,993.22			
S	314,102.83	94,491.92		41,288.26	28,287.78	175.75	14,740.61	348.92	134,769.59
V	115,063.74	37,888.61		3,684.66	73,490.47				
Z	2,492.28	1,680.30		811.98					
Retirement fund deducted	*3,461.86*	*3,461.86*							
Special deposits	259.60	26.12		233.48					
Total	449,015.56	136,852.61		46,568.49	108,566.37	7,168.97	14,740.61	348.92	134,769.59
254. NAVAL HOSPITAL, PUGET SOUND, WASH.:									
R	317,939.68			70.00	314,833.68	3,036.00			
S	299,555.20	42,287.14		30,720.57	47,037.14	20,103.99	4,560.39	9,310.83	145,535.14
V	267.50				232.50	35.00			
Retirement fund deducted	*773.56*	*773.56*							
Total	616,988.82	41,513.58		30,790.57	362,103.32	23,174.99	4,560.39	9,310.83	145,535.14
255. SUBMARINE AND DESTROYER BASE, ASTORIA, OREG.:									
R	16,662.30				9,256.95	7,405.35			
S	2,252.35	2,121.60		69.50	50.00	11.25			
Retirement fund deducted	*53.04*	*53.04*							
Total	18,861.61	2,068.56		69.50	9,306.95	7,416.60			
256. DISTRICT HEADQUARTERS, THIRTEENTH NAVAL DISTRICT, SEATTLE, WASH.:									
Z	6,506.08	6,506.08							
Retirement fund deducted	*162.69*	*162.69*							
Total	6,343.39	6,343.39							

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
259. NAVAL HOSPITAL, BALBOA PARK, SAN DIEGO, CALIF.:									
R	$399,635.77	$124.40		$188.14	$184,778.14	$214,545.09			
S	923,425.63	119,083.16		57,514.59	151,408.38	18,801.81	$783.53		$575,834.16
Retirement fund deducted	*2,209.12*	*2,209.12*							
Total	1,320,852.28	116,998.44		57,702.73	336,186.52	233,346.90	783.53		575,834.16
262. MARINE CORPS AIR STATION, QUANTICO, VA.:									
R	1,825.47					1,825.47			
S	308,150.76					21,391.01	25,130.08	$48,946.26	212,683.41
Total	309,976.23					23,216.48	25,130.08	48,946.26	212,683.41
263. MARINE BARRACKS, PARRIS ISLAND, S. C.:									
S	10,362.56	7,105.68		1,235.27	2,021.61				
Retirement fund deducted	*177.66*	*177.66*							
Total	10,184.90	6,928.02		1,235.27	2,021.61				
265. NAVAL AIR STATION, LAKEHURST, N. J.:									
A	1,806,606.37				1,806,606.37				
C	128,820.34			17,095.76	111,724.58				
D	90,450.91	45,485.53		2,808.33	42,157.05				
K	26,235.06	18,279.61		747.13	7,208.32				
P	5,760.14	461.32		3.72	5,295.10				
R	7,135.70	3,351.40		1,489.98	2,294.32				
S	1,269,111.89	364,629.04		121,404.67	367,552.22	10,526.02	38,783.52	2,261.65	363,954.77
Z	12,147.09	6,492.19		2,543.72	3,111.18				
Retirement fund deducted	*10,086.38*	*10,086.38*							
Special deposits	*97.00*	*97.00*							
Total	3,336,084.12	428,515.71		146,093.31	2,345,949.14	10,526.02	38,783.52	2,261.65	363,954.77

267. NAVAL HOSPITAL, KEY WEST, FLA.:									
S	39,432.00	14,558.25				5,458.06	1,713.12	1,188.94	16,513.63
Retirement fund deducted	*292.62*	*292.62*							
Total	39,139.38	14,265.63				5,458.06	1,713.12	1,188.94	16,513.63
301. NAVAL STATION, GUANTANAMO, CUBA:									
D	6,920.31	4,699.85		2,197.15	23.31				
R	118,157.24	7,775.54		3,557.33	106,824.37				
S	600,495.83	198,157.18		104,188.98	78,057.81	1,203.76	3,222.77	2,240.18	213,425.15
V	67,034.06	893.10		189.14	65,951.82				
Z	85,295.34	30,212.10		55,083.24					
Retirement fund deducted	*807.04*	*807.04*							
Marine Corps	2,487.09	2,300.40		186.69					
Other Government departments	90.80	88.34		2.46					
Special deposits	2,712.08	962.64		1,749.44					
Foreign Governments	4,243.81	3,230.10		1,013.71					
Total	886,629.52	247,512.21		168,168.14	250,857.31	1,203.76	3,222.77	2,240.18	213,425.15
303. SUBMARINE BASE, COCO SOLO, CANAL ZONE:									
C	54,892.28			6,043.15	48,849.13				
D	13,617.44			17,311.35	*3,693.91*				
P	*20.57*				*20.57*				
R	277,508.20	137.08		3,695.73	178,591.71			95,083.68	
S	294,608.11	36,757.58		80,383.01	14,958.97	803.23	146,185.30	10,885.39	4,634.63
V	1,415.08				1,415.08				
Z	4,830.17	4,830.17							
Total	646,850.71	41,724.83		107,433.24	240,100.41	803.23	146,185.30	105,969.07	4,634.63
305. NAVAL AIR STATION, COCO SOLO, CANAL ZONE:									
R	48,684.80				48,684.80				
S	336,034.90	34,898.95		51,007.84	47,963.40	872.92		14.00	210,277.79
Retirement fund deducted	*38.98*	*38.98*							
Total	384,680.72	34,859.97		51,007.84	96,648.20	872.92		14.00	201,277.79
312. NAVAL HOSPITAL, PEARL HARBOR, HAWAII:									
R	2,960.86			1,393.52	1,567.34				
S	345,045.90	44,361.06		21,597.28	44,080.04	9,232.58	19,299.62	27,266.00	179,209.32
Retirement fund deducted	*867.11*	*867.11*							
Total	347,139.65	43,493.95		22,990.80	45,647.38	9,232.58	19,299.62	27,266.00	179,209.32
313. NAVAL AMMUNITION DEPOT, KUAHUA, HAWAII:									
R	124,331.79				98,298.27	26,033.52			
S	47,262.59	35,052.09		10,329.65	1,850.61				30.24
V	23,083.89	22,323.82		741.17	18.90				
Retirement fund deducted	*1,389.56*	*1,389.56*							
Total	193,288.71	55,986.35		11,070.82	100,167.78	26,033.52			30.24

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
314. SUBMARINE BASE, PEARL HARBOR, HAWAII:									
P	$20.00			$20.00					
S	261,391.56			62,231.68	$20,051.96	$7,662.00	$168,140.32	$3,305.60	
V	34.18				34.18				
Total	261,445.74			62,251.68	20,086.14	7,662.00	168,140.35	3,305.60	
315. NAVAL AIR STATION, PEARL HARBOR, HAWAII:									
R	36,804.81			9,398.84	27,405.97				
S	385,762.03	$19,608.94		25,132.50	14,486.37	10,786.09	35,069.04	1,858.52	$278,820.57
V	83,842.26			20,629.66	63,097.83	114.77			
Retirement fund deducted	*248.52*	*248.52*							
Marine Corps	2,274.70	2,274.70							
Total	508,435.28	21,635.12		55,161.00	104,990.17	10,900.86	35,069.04	1,858.52	278,820.57
319. DESTROYERS STORES OFFICE, CAVITE, P. I.:									
S	2,788.97						1,834.37		954.60
320. SUBMARINE BASE, CAVITE, P. I.:									
S	36,165.91			18,714.53				6,957.89	10,493.49
322. NAVAL STATION, OLONGAPO, P. I.:									
R	1,638.00				1,638.00				
S	132,437.03	66,953.50		15,425.29	536.20	5.88	574.29	555.52	48,386.35
V	2,151.02	632.32		1,518.70					
Z	87,027.23	19,895.66		67,131.57					
Retirement fund deducted	*215.75*	*215.75*							
Special deposits	6,709.77	196.30		6,513.47					
Proceeds of sales	2.08	2.08							
Total	229,749.38	87,464.11		90,589.03	2,174.20	5.88	574.29	555.52	48,386.35

323. NAVAL AMMUNITION DEPOT, OLONGAPO, P. I.:									
R	905.36				905.36				
S	61,533.36	42,498.43		13,462.12	1,656.88	242.34			3,673.59
V	32,938.64	23,884.02		1,119.59	7,935.03				
Z	500.81	158.74			342.07				
Retirement fund deducted	*73.89*	*73.89*							
Total	95,804.28	66,467.30		14,581.71	10,839.34	242.34			3,673.59
324. NAVAL HOSPITAL, CANACAO, P. I.:									
S	329,170.43	27,777.06		28,040.38	68,880.32	8,058.87	19,155.76	19,424.40	157,833.64
V	29.20				29.20				
Total	329,199.63	27,777.06		28,040.38	68,909.52	8,058.87	19,155.76	19,424.40	157,833.64
328. NAVY GODOWN, HANKHOW, CHINA:									
S	366.16					366.16			
329. AMERICAN LEGATION AND NAVAL ATTACHÉ, PEKING, CHINA:									
S	37,898.11					58.45	1,379.57		36,460.09
330. NAVY PURCHASING OFFICE, SHANGHAI, CHINA:									
S	12,916.22	72.07				575.69	197.91		12,070.55
V	1,002.48	1,002.48							
Total	13,918.70	1,074.55				575.69	197.91		12,070.55
341. NAVAL STATION, TUTUILA, SAMOA:									
S	378,192.12	48,019.33		73,514.53	8,326.88	907.50	25,381.35	10,516.22	211,526.31
Z	3,383.54	3,383.54							
Retirement fund deducted	*88.35*	*88.35*							
Other Government departments	1,202.60	594.52		608.08					
Total	382,689.91	51,909.04		74,122.61	8,326.88	907.50	25,381.35	10,516.22	211,526.31
351. NAVAL STATION, GUAM, MARIANAS ISLANDS:									
D	833.29	710.30		122.99					
P	1,883.72	1,281.09		602.63					
R	95,527.13	24,237.43		8,750.70	62,539.00				
S	568,808.42	158,858.06		82,191.30	4,606.74	699.93	4,881.05		317,571.34
V	272,288.68	6,251.30		6,582.27	259,455.11				
Z	65,897.58	36,605.22		29,292.36					
Retirement fund deducted	*279.45*	*279.45*							
Marine Corps	777.08	777.08							
Other Government departments	411.80			411.80					
Special deposits	64,828.56	25,746.68		39,081.88					
Total	1,070,976.81	254,187.71		167,035.93	326,600.85	699.93	4,881.05		317,571.34

Statement 34 —EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
352. NAVAL HOSPITAL, GUAM, MARIANAS ISLANDS:									
R	$1,252.52			$43.52	$1,209.00				
S	75,260.21	$10,485.75		7,792.15	2,500.20		$13,048.75	$13,288.43	$28,144.93
Total	76,512.73	10,485.75		7,835.67	3,709.20		13,048.75	13,288.43	28,144.93
358. MARINE CORPS AIR STATION, SANTO DOMINGO, DOMINICAN REPUBLIC:									
R	2,950.34					$2,950.34			
S	20,858.57					206.00	208.65		20,443.92
Total	23,808.91					3,156.34	208.65		20,443.92
359. MARINE CORPS AIR STATION, PORT AU PRINCE, HAITI:									
S	126,914.69					143.00	8,758.77		118,012.92
360. BRIGADE HEADQUARTERS, PORT AU PRINCE, HAITI:									
S	130,728.28					469.00	36.65	49.05	130,173.58
361. FUEL DEPOT, PICHILINGUE BAY, MEXICO:									
R	1,539.66							1,539.66	
S	864.57						424.57	440.00	
Total	2,404.23						424.57	1,979.66	
370. MISCELLANEOUS DISBURSING OFFICERS:									
S	33,304.37						167.70		33,136.67
371. NAVAL STATION, VIRGIN ISLANDS:									
R	10,766.45			1,035.53	7,105.92	2,625.00			
S	647,806.09	63,892.90		25,676.96	9,774.12	274,264.92	1,826.31	5,720.51	266,650.37

Z	6,577.79	4,318.89		2,258.90					
Retirement fund deducted	*131.20*	*131.20*							
Total	665,019.13	68,080.59		28,971.39	16,880.04	276,889.92	1,826.31	5,720.51	266,650.37
375. SANTO DOMINGO, DOMINICAN REPUBLIC:									
S	22,484.31					41.22	707.15	5,514.71	16,221.23
501. NAVAL ATTACHÉ, PARIS, FRANCE:									
S	26,142.90								26,142.90
510. NAVAL BASE NO. 26, BALBOA, CANAL ZONE:									
D	5,786.12			620.00	5,166.12				
P	15.67			15.67					
R	105,855.90			600.93	105,254.97				
S	96,122.28	11,730.65		10,708.95	73,269.63	413.05			
V	23,398.80	20,011.36		3,395.81	*8.37*				
Retirement fund deducted	*536.01*	*536.01*							
Total	230,642.76	31,206.00		15,341.36	183,682.35	413.05			
525. NAVAL ATTACHÉ, LONDON, ENGLAND:									
S	9,339.60								9,339.60
568. SUBMARINE BASE, SAN PEDRO, CALIF.:									
S	904.16					904.16			
581. NAVAL SUPPLY BASE, CONSTANTINOPLE, TURKEY:									
S	2,545.38					1,673.52	390.25	481.61	
602. ADDITIONAL FACILITIES, NEW YORK SHIPBUILDING CO., CAMDEN, N. J.:									
R	*10,000.00*					*10,000.00*			10,013.08
S	10,013.08								10,013.08
Total	13.08					*10,000.00*			
603. ADDITIONAL FACILITIES, WILLIAM CRAMP & SONS, PHILADELPHIA, PA.:									
S	3,763.22								3,763.22
604. ADDITIONAL FACILITIES, NEWPORT NEWS SHIPBUILDING & DRY DOCK CO., NEWPORT NEWS, VA.:									
S	1,616.66								1,616.66
614. SQUANTAM YARDS, SQUANTAM POINT, MASS.:									
V	5,339.25	1,427.04		3,901.71	10.50				
Retirement fund deducted	*35.62*	*35.62*							
Total	5,303.63	1,391.42		3,901.71	10.50				

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard laber	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
785. Radio Station, Naval Academy, Annapolis, Md.:									
R	$11,574.61				$11,574.61				
S	15,731.15	$1,120.56		$4,442.96	10,167.63				
Total	27,305.76	1,120.56		4,442.96	21,742.24				
786. Radio Station, Annapolis, Md.:									
R	1,579.00				1,579.00				
S	107,130.23	11,826.10		57,081.43	38,182.00	$40.70			
Total	108,709.23	11,826.10		57,081.43	39,761.00	40.70			
827. Radio Station, Key West, Fla.:									
S	45,338.36	4,158.88		13,886.57	1,147.06	40.75			$26,105.10
828. Radio Station, Jupiter, Fla.:									
S	6,701.07	67.76		3,714.23	314.68	107.08			2,497.32
831. Naval Pigeon Station, Pensacola, Fla.:									
S	280.45	4.41		266.04	10.00				
832. Radio Station, St. Augustine, Fla.:									
S	2,068.86	49.36		981.41	80.36	45.55			912.18
V	15.00				15.00				
Total	2,083.86	49.36		981.41	95.36	45.55			912.18
833. Radio Station, Pensacola, Fla.:									
R	348.00			288.00	60.00				
S	1,498.32	248.98		1,212.99	36.35				
Total	1,846.32	248.98		1,500.99	96.35				
834. Radio Station, New Orleans, La.:									
S	9,272.91	2,142.86		6,674.09	438.56	17.40			

836. Radio Station, Brownsville, Tex.:									
S	2,014.34	243.32		1,769.87	1.15				
837. Radio Station, Galveston, Tex.:									
R	2,756.00				2,756.00				
S	11,246.51	18.48		5,751.92	3,836.11	1,640.00			
Total	14,002.51	18.48		5,751.92	6,592.11	1,640.00			
843. Radio Station, South Pass:									
S	1,673.69	3.08		1,602.66	67.95				
848. Radio Station, Great Lakes, Ill.:									
R	777.10			777.10					
S	15,901.01	319.52		5,014.02	2.30	745.00			9,820.17
Total	16,678.11	319.52		5,791.12	2.30	745.00			9,820.17
849. Radio Station (Radio School), Chicago, Ill.:									
R	41.95			41.95					
S	327.61			112.86		214.75			
Total	369.56			154.81		214.75			
852. Radio Station, Milwaukee, Wis.:									
S	395.49			4.33					391.16
853. Radio Station, Eagle Harbor:									
R	23.10			23.10					
S	7,383.14	13.92		1,486.55	76.15				5,806.52
Total	7,406.24	13.92		1,509.65	76.15				5,806.52
865. Radio Station (Radio Laboratory), Chicago:									
S	138.86			138.86					
866. Radio Station, Colon, Canal Zone:									
R	2,485.13			918.13	1,507.00				
S	8,299.28	2,740.06		3,065.72	102.30				2,391.20
Total	10,784.41	2,740.06		3,983.85	1,669.30				2,391.20
867. Radio Station, Balboa, Canal Zone:									
R	15,676.51			1,701.21	13,975.30				
S	51,814.03	8,905.68		20,901.28	11,344.65	546.66			10,115.76
Total	67,490.54	8,905.68		22,602.49	25,319.95	546.66			10,115.76

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
868. Radio Station, Cape Mala, Canal Zone:									
R	$297.59			$192.59	$105.00				
S	4,931.10	$935.50		2,577.38	1.15				$1,417.07
Total	5,228.69	935.50		2,769.97	106.15				1,417.07
869. Radio Station, Puerto Obaldia, Canal Zone:									
R	206.53			101.53	105.00				
S	5,022.31	956.62		2,783.74	1.15				1,280.80
Total	5,228.84	956.62		2,885.27	106.15				1,280.80
870. Radio Station, La Palma, Canal Zone:									
R	120.40			15.40	105.00				
S	2,652.31	897.85		1,000.91	1.15				752.40
Total	2,772.71	897.85		1,016.31	106.15				752.40
871. Radio Compass Station, Colon, Canal Zone:									
R	348.58			90.58	258.00				
S	280.06			242.16	37.90				
Total	628.64			332.74	295.90				
872. Radio Station, San Diego, Calif.:									
R	542,040.40	2,943.52		2,888.59	536,208.29				
G	25,894.48			3,979.06					21,915.42
S	148,609.37	7,194.08		34,335.97	32,558.31	$7.75			74,513.26
Total	716,544.25	10,137.60		41,203.62	568,766.60	7.75			96,428.68
873. Radio Station, Point Arguello:									
R	36,617.08	422.32		151.28	36,043.48				
G	2,278.83			165.17					2,113.66
S	12,653.48	601.84		3,578.85	4,272.73				4,200.06
Total	51,549.39	1,024.16		3,895.30	40,316.21				6,313.72

876. Radio Station, Inglewood:										
R	22,854.37				22,854.37					
G	794.80			677.05	117.75					
S	16,699.11			323.45	15,135.76					1,239.90
Total	40,348.28			1,000.50	38,107.88					1,239.90
877. Naval Pigeon Station, San Diego, Calif.:										
S	161.48			153.58	7.90					
880. Radio Station, Radio School, San Diego, Calif.:										
R	26,690.27			1,030.98	25,659.29					
S	4,255.40			465.39	3,790.01					
Total	30,945.67			1,496.37	29,449.30					
881. Radio Station (Radio Laboratory), San Diego, Calif.:										
R	351.00			201.00	150.00					
S	1,078.88	148.80		784.23	145.85					
Total	1,429.88	148.80		985.23	295.85					
916. Naval Pigeon Station, Colon, Canal Zone:										
R	4,400.00			900.00	3,500.00					
S	1,184.30	266.24		918.06						
Total	5,584.30	266.24		1,818.06	3,500.00					
917. Radio Station, Guam:										
R	4,298.77	988.48		1,265.29	2,045.00					
S	52,546.30	8,504.56		28,022.32	145.95					15,873.47
Total	56,845.07	9,493.04		29,287.61	2,190.95					15,873.47
918. Radio Station, Tutuila:										
S	9,001.02	674.40		3,732.95	4,593.67					
938. Radio-Compass Station Imperial Beach:										
R	10,514.24				10,514.24					
G	1,922.28			18.00						1,904.28
S	8,024.53	180.08		1,665.67	2,101.70					4,077.08
Total	20,461.05	180.08		1,683.67	12,615.94					5,981.36

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

NONINDUSTRIAL YARDS AND STATIONS—Continued

Yard and title	Total	Labor	Indeterminate appropriation expense	N. S. A. material applied by yard labor	A. P. A. material applied by yard labor	Public vouchers and auditors' settlements	N. S. A. invoices	Other material invoices	Pay and allowances
950. Radio Station, Point Hueneme:									
R	$14,736.44	$21.92		$45.50	$14,669.02				
G	2,058.98			16.84					$2,042.14
S	8,066.36	285.20		1,762.33	1,996.57				4,022.26
Total	24,861.78	307.12		1,824.67	16,665.59				6,064.40
951. Radio Station, Point Fermin:									
R	5,671.06	544.48		744.19	4,382.39				
G	2,085.19			260.44					1,824.75
S	6,211.05	132.96		1,466.57	839.52				3.772.00
Total	13,967.30	677.44		2,471.20	5,221.91				5,596.75
976. Radio Station, White Fish Point:									
R	23.10			23.10					
S	8,410.30	27.40		1,446.82	1.15				6,934.93
Total	8,433.40	27.40		1,469.92	1.15				6,934.93
977. Radio Station, Detour Point:									
R	23.10			23.10					
S	8,339.18			639.40	1,601.15				6,098.63
Total	8,362.28			662.50	1,601.15				6,098.63
978. Radio Compass Station, Grand Marias:									
R	23.10			23.10					
S	5,842.88			1,024.33	1.15				4,817.40
Total	5,865.98			1,047.43	1.15				4,817.40
983. Radio Station, Managua, Nicaragua:									
R	231.60			231.60					
S	1,504.00			646.72	1.15	$856.13			
Total	1,735.60			878.32	1.15	856.13			

	Public vouchers	Naval supply account material issued on invoice	Auditor's settlements	Pay and allowances	Miscellaneous adjustments	Total charges to appropriations	Material other than naval supply account issued on invoice	Grand total
A	$22,817,169.28	$61,824.50	*$95,115.92*		*$1,457,843.60*	$21,326,034.26	*$1,045,067.96*	$20,280,966.30
B	*3,704.15*	6,307,211.97	56.04		*581.52*	6,302,982.34	7,872,021.86	14,175,004.20
C	1,680,718.24	31,597,579.43	*10,624.27*	$75,147,981.86	3,790.42	108,419,445.68	8,780,935.22	117,200,380.90
D	394,434.89	1,456,436.50	1,578.36			1,852,449.75	196,108.59	2,048,558.34
K	6,347.35	167,688.92				174,036.27	280,003.23	454,039.50
P	7,832.64	372,486.21				380,318.85	101,114.08	481,432.93
V	7,329,364.85	5,813,348.02	5,983,486.01	26,103,110.17	*436,599.22*	44,792,709.83	39,080,414.52	83,873,124.35
O	630,416.60		7,757.70			638,174.30		638,174.30
X	83,977,078.71	1,039,297.51	*124,838.92*	10.16	1,525,742.33	86,417,289.79	17,155,548.16	103,572,837.95
Marine Corps	7,517,078.40	940,367.43	92,454.61	14,561,685.61	116,247.31	23,227,833.36	15,727.90	23,243,561.26
Other Government departments	353,821.31	50,194.82	*1.48*		291,552.89	695,567.54		695,567.54
Special deposits	39,235.95		125.24			39,361.19		39,361.19
Cash sales		8,555,727.25				8,555,727.25	4,872,688.45	13,428,415.70
Proceeds of sales	470,180.75	5,089.77				475,270.52		475,270.52
Transferred to retirement fund	*2,118.99*					*2,118.99*		*2,118.99*
Condemned sales		290,758.43				290,758.43	1,187,482.45	1,478,240.88
Surplus sales		2,353,499.24				2,353,499.24		2,353,499.24
Total	125,217,855.83	59,011,510.00	5,854,877.37	115,812,787.80	42,308.61	305,939,339.61	78,496,976.50	384,436,316.11

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

RECAPITULATION OF EXPENDITURES BY TITLES

Title	Labor	Indeterminate	Naval supply account material applied by yard labor	Public vouchers	Naval supply account material issued on invoice	Auditor's settlements	Pay and allowances
A	$4,293,995.87	$1,767,136.98	$1,740,442.80	$22,817,169.28	$61,824.50	*$95,115.92*	
B				*3,704.15*	6,307,211.97	56.04	
C	20,308.66	7,428.53	28,875.09	1,680,718.24	31,597,579.43	*10,624.27*	$75,147,981.86
D	4,752,608.50	2,598,316.54	1,752,988.60	394,434.89	1,456,436.50	1,578.36	
K	2,667,264.27	1,267,982.17	1,445,066.36	6,347.35	167,688.92		
P	647,131.27	331,152.86	147,581.12	7,832.64	372,486.21		
E	797,467.22	370,073.84	490,686.07	329,579.30		5,024.60	
R	151,551.32		115,333.08	661,601.45		15,272.60	
G	12,059,877.53	1,693,652.50	1,755,085.43	127,143.16	26,987.76	16.02	3,825,972.27
S	10,961,065.26		4,173,143.30	1,085,742.82	2,261,545.19	383,133.17	21,322,517.66
V	5,231,145.74	1,203,126.79	1,141,112.27	7,329,364.85	5,813,348.02	5,983,486.01	26,103,110.17
O				630,416.60		7,757.70	
X				83,977,078.71	1,039,297.51	*124,838.92*	10.16
Z	9,813,162.01	4,250,738.16	13,135,912.29				
Unabsorbed expense		52,495.62					
Retirement fund deducted	*1,528,641.47*			*2,118.99*			
Marine Corps	62,085.05	20,062.48	27,221.10	7,517,078.40	940,367.43	92,454.61	14,561,685.61
Other Government departments	1,768,543.22	909,692.70	786,815.63	353,821.31	50,194.82	*1.48*	
Special deposits	122,963.51	106,084.69	112,891.77	39,235.95		125.24	
Cash sales					8,555,727.25		
Proceeds of sales	495,095.36	107,782.22	279,717.23	470,180.75	5,089.77		
Transferred to retirement fund	1,804,496.48						
Foreign governments	5,173.62		1,302.33				
Condemned sales					290,758.43		
Surplus sales					2,353,499.24		
Indeterminate divided	11,677,054.74		3,008,671.34				
Total	65,802,348.16		30,142,845.81	127,421,922.56	61,300,042.95	6,258,323.76	140,961,277.73

Title	Miscellaneous adjustments	Total charges to appropriations	Statistical overhead included in other accounts	Material other than naval supply account applied by yard labor	Material other than naval supply account issued on invoice	Total previously charged to appropriations	Grand total
A	*$1,457,843.60*	$29,127,609.91	$821,024.03	*$1,531,731.69*	*$1,045,067.96*	*$1,755,775.62*	$27,371,834.29
B	*581.52*	6,302,982.34			7,872,021.86	7,872,021.86	14,175,004.20
C	3,790.42	108,476,057.96	3,275.73	160,576.24	8,780,935.22	8,944,787.19	117,420,845.15
D		10,956,363.39	1,747,494.28	464,109.16	196,108.59	2,407,712.03	13,364,075.42
K		5,554,349.07	518,594.50	525,171.57	280,003.23	1,323,769.30	6,878,118.37
P		1,506,184.10	143,589.90	60,349.55	101,114.08	305,053.53	1,811,237.63
E		1,992,831.03	245,927.87	8,884,157.73		9,130,085.60	11,122,916.63
R		943,758.45		5,247,327.92	96,623.34	5,343,951.26	6,287,709.71
G	7,990.79	19,496,725.46		857,102.02	38,710.28	895,812.30	20,392,537.76
S	*49,832.52*	40,137,314.88		2,692,821.88	480,702.13	3,173,524.01	43,310,838.89
V	*436,599.22*	52,368,094.63	717,007.61	*3,314,830.63*	39,080,414.52	36,482,591.50	88,850,686.13
O		638,174.30					638,174.30
X	1,525,742.33	86,417,289.79			17,155,548.16	17,155,548.16	103,572,837.95
Z		27,199,812.46		13,508,939.02		13,508,939.02	40,708,751.48
Unabsorbed expense		52,495.62					52,495.62
Retirement fund deducted		*1,530,760.46*					*1,530,760.46*
Marine Corps	116,247.31	23,337,201.99		578.29	15,727.90	16,306.19	23,353,508.18
Other Government departments	291,552.89	4,160,619.09					4,160,619.09
Special deposits		381,301.16					381,301.16
Cash sales		8,555,727.25			4,872,688.45	4,872,688.45	13,428,415.70
Proceeds of sales		1,357,865.33					1,357,865.33
Transferred to retirement fund		1,804,496.48					1,804,496.48
Foreign governments		6,475.95					6,475.95
Condemned sales		290,758.43			1,187,482.45	1,187,482.45	1,478,240.88
Surplus sales		2,353,499.24					2,353,499.24
Indeterminate divided							
Total	466.88	431,887,227.85	4,196,913.92	27,554,571.06	79,113,012.25	110,864,497.23	542,751,725.08

Statement 34.—EXPENDITURES BY YARDS AND TITLES—Continued

RECONCILEMENT WITH STATEMENT 1 (COST OF NAVY)

[For reconcilement with Statement 25, see Statement 25]

Total expenditures, Statement 34			$542,751,725.08
Deductions not chargeable to annual cost:			
Title X—			
Charges to (Statement 34)	$103,572,837.95		
Decrease for fiscal year (Statement 7)	33,857,492.88		
		$137,430,330.83	
Title Z—			
Charges to (Statement 34)	40,708,751.48		
Decrease for fiscal year (Statement 17)	2,232,335.19		
		42,941,086.67	
Receipts of stores (Statement 7):			
New and reclaimed material	163,392,545.92		
Transfers from other accounts	4,126,492.49		
	167,519,038.41		
Transfers to accounts other than from naval supply account	3,087,070.25		
	164,431,963.16		
Less receipts from manufacture (Statement 17)	42,941,086.67		
	121,490,881.49		
Less purchases under Title X (Statement 34)	103,572,837.95		
		17,918,043.54	
Expenditures chargeable to other Government department appropriations		553,785.47	
Miscellaneous credits to naval appropriations (Statement 25)		15,771,051.96	
Statistical overhead charged to cost of work		4,196,913.92	
			218,811,212.39
Expenditures charged to annual cost as per statement			323,940,512.69
Material applied by yard labor			57,697,416.87
Material issued on invoice			140,413,055.20
Heat and light for officers			178,983.97
			198,289,461.04
Issued from:			
Naval supply account			91,621,877.73
Appropriation purchases account			93,368,271.23
Reserve material Navy, account			43,137.26
Clothing and small stores account			12,188,894.51
Medical stores			1,067,280.31
			198,289,461.04
Total expenditures, Statement 34			542,751,725.08
Less statistical overhead and issues of stores other than naval supply account			110,864,497.23
Charges to appropriations and titles as shown on Statement 25			431,887,227.85

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
102. NAVY YARD, PORTSMOUTH, N. H.:									
A	$3,359,448.71	$3,233,085.52			$88,326.00	$38,037.19			
C	1,358.10					1,358.10			
D	327,562.34			$153.15	187,546.06	100,583.06			$39,280.07
K	477,079.93				242,991.91	47,913.71			186,174.31
P	8,222.21			1,294.95	4,728.12	2,058.97			140.17
E	33,711.07	7,536.43	$26,513.99		2,580.19	1,311.43	$789.00		*5,019.97*
G	1,008,661.24	52,505.00	209,674.33	1,916.09	141,400.04	83,591.20	225,493.18		294,081.40
V	78,175.03	9,106.31	3,001.04	16.00	58,922.51	6,113.43			1,015.74
Z	643,249.56	37,169.09			7,253.35	6,007.28		$145.93	592,673.91
Underabsorbed	23.99			23.99					
Overabsorbed	*43,960.64*	*7,943.83*	*455.14*		*17,563.56*	*16,419.89*	*84*	*1.46*	*1,575.92*
Retirement fund deducted	*106,381.05*	*61,191.49*	*4,287.97*	*80.43*	*15,445.77*	*6,011.90*	*5,262.38*	*2.93*	*14,098.18*
Marine Corps, etc	104,879.03								104,879.03
Appropriation total	5,892,029.52	3,270,267.03	234,446.25	3,323.75	700,738.85	264,542.58	221,018.96	141.54	1,197,550.56
Appropriation purchases account, material and statistical overhead	1,409,753.32	1,194,897.15	8,373.19	2,615.47	76,368.49	64,352.79	499.63		62,646.60
Grand total	7,301,782.84	4,465,164.18	242,819.44	5,939.22	777,107.34	328,895.37	221,518.59	141.54	1,260,197.16
111. NAVY YARD, BOSTON, MASS.:									
A	1,222,631.82	1,187,948.30		381.24	22,857.59	11,411.42			33.27
D	926,314.10	30.32		4,024.34	429,334.40	470,497.02		334.95	22,093.07
K	528,925.68	12,954.45		40,397.16	68,894.26	92,829.71		5,767.49	308,082.61
P	79,463.87			20,176.80	45,747.31	12,720.50	59.77		759.49
E	88,825.91		691.00		4,624.44	1,402.29	974.50		81,133.68
G	1,403,767.19		315,732.81	16,672.39	147,526.64	89,501.79	413,315.79		421,017.77
V	340,818.34	637.59	18,347.73	5,854.76	142,175.36	83,056.38	33,017.20	61,965.80	*4,236.48*
Z	1,415,371.63	10,788.08		5,350.48	2,987.45	3,980.04			1,392,265.58
Overabsorbed	*52,793.79*			*413.25*	*25,200.99*	*27,115.87*		*89.67*	25.99
Retirement fund deducted	*95,368.88*	*20,709.71*	*6,696.35*	*1,853.04*	*16,262.82*	*14,766.82*	*10,020.69*	*204.54*	*24,854.91*
Underabsorbed	21,763.05	19,296.49	2,404.43				62.13		
Marine Corps, etc	221,390.93								221,390.93
Appropriation total	6,101,109.85	1,210,945.52	330,479.62	90,590.88	822,683.64	723,516.46	437,408.70	67,774.03	2,417,711.00
Appropriation purchases account, material and statistical overhead	568,431.30	181,144.48	13,779.17	8,987.79	72,404.50	134,291.14	3,334.43	26,071.66	128,418.13
Grand total	6,669,541.15	1,392,090.00	344,258.79	99,578.67	895,088.14	857,807.60	440,743.13	93,845.69	2,546,129.13

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
131. NAVY YARD, NEW YORK, N. Y.:									
A	$1,481,570.94	$1,405,895.30			$8,007.86	$17,341.24			$50,326.54
C	5,780.36				3,027.82	2,508.47			244.07
D	1,093,744.29			$6,541.84	437,762.10	581,607.91		$684.13	67,148.31
K	1,245,559.20	3,547.75		64,034.12	283,761.03	144,148.09		7,498.69	742,569.52
P	112,866.95			26,956.46	56,656.94	18,045.87	$1,131.13	49.24	10,027.31
E	66,571.75		$4,834.63	28.00	11,822.54	16,845.19	33.35		33,008.04
G	2,077,021.50		556,865.11	61,461.03	213,695.63	198,547.18	539,874.07	4.47	506,574.01
V	644,627.27	689.39	10,105.32	49,224.45	189,850.98	215,413.12	39,139.30	50,433.04	89,771.67
Z	2,964,868.77	39,384.51		46,960.48	*360.91*	*896.40*		1.30	2,879,779.79
Underabsorbed	21,858.67				11,939.00	9,907.99	1.05	10.63	
Overabsorbed	*27,899.56*	*12,147.12*	*1,581.82*	*123.70*					*14,046.92*
Retirement fund deducted	*174,900.62*	*26,173.64*	*11,885.41*	*5,386.09*	*24,252.83*	*23,603.60*	*13,693.27*	*1,439.49*	*68,466.29*
Marine Corps, etc	816,141.89								816,141.89
Appropriation total	10,327,811.41	1,411,196.19	558,337.83	249,696.59	1,191,910.16	1,179,865.06	566,485.63	57,242.01	5,113,077.94
Appropriation purchases account, material and statistical overhead	749,971.88	208,228.26	42,703.19	17,464.16	140,194.42	142,015.81	4,355.09	668.69	194,342.26
Grand total	11,077,783.29	1,619,424.45	601,041.02	267,160.75	1,332,104.58	1,321,880.87	570,840.72	57,910.70	5,307,420.20
151. NAVY YARD, PHILADELPHIA, PA.:									
A	365,747.94	338,121.03		524.40	12,694.03	12,783.46			1,625.02
C	3,880.55				1,890.76	1,925.75			64.04
D	532,446.44			5,545.99	258,864.55	243,972.76			24,063.14
K	335,460.99	10,585.89		27,133.97	101,634.27	103,985.97		15.16	92,105.73
P	22,198.34			2,725.45	14,158.60	4,194.51			1,119.78
E	34,378.94		12,701.84	1,042.51	*151.18*	2,086.28	358.72	6,213.17	12,127.60
G	2,464,724.91	970.76	436,706.80	106,278.49	542,444.39	227,681.76	595,471.80	346.39	554,824.52
V	801,495.18		65,557.55	61,687.33	298,876.32	221,720.37	55,584.85	45,931.90	52,136.86
Z	2,029,099.54	92,921.60	1,089.85	2,040.67	*1.70*	*681.08*		14,081.41	1,919,648.79
Marine Corps, etc	2,122,849.44								2,122,849.44
Overabsorbed	*21,827.47*		*228.25*	*469.22*	*20,396.11*	*1,180.93*	*71.73*		518.77
Retirement fund deducted	*141,138.53*	*6,978.39*	*10,147.69*	*4,616.49*	*25,787.35*	*16,161.30*	*15,068.01*	*1,543.64*	*60,835.66*
Underabsorbed	15,206.00	13,536.19						1,669.81	
Appropriation total	8,564,522.27	449,157.08	505,680.10	201,893.10	1,184,226.58	800,327.55	636,275.63	66,714.20	4,720,248.03
Appropriation purchases account, material and statistical overhead	383,809.67	44,650.50	52,817.89	17,569.12	86,389.50	99,894.64	1,807.73	30,056.95	50,623.34
Grand total	8,948,331.94	493,807.58	558,497.99	219,462.22	1,270,616.08	900,222.19	638,083.36	96,771.15	4,770,871.37

156. NAVAL AIRCRAFT FACTORY, PHILADELPHIA, PA.:									
E	47,129.36							47,129.36	
G	886,989.52						164,834.17	569,244.88	152,910.47
V	940,808.21			2,115.66				810,132.20	128,560.35
Z	916,418.79			12,458.91				485,334.84	418,625.04
Retirement fund deducted	*58,046.40*			*310.91*			*4,116.98*	*43,959.97*	*9,658.54*
Overabsorbed	*370.00*			*370.00*					
Underabsorbed	31,114.23							31,114.23	
Other Government departments, etc	6,159.12								6,159.12
Appropriation total	2,770,202.83			13,893.66			160,717.19	1,898,995.54	696,596.44
Appropriation purchases account, material and statistical overhead	1,750,512.81		5,091.36	4,632.78				1,531,406.62	209,382.05
Grand total	4,520,715.64		5,091.36	18,526.44			160,717.19	3,430,402.16	905,978.49
169. NAVAL ORDNANCE PLANT, BALDWIN, LONG ISLAND:									
G	125,162.64			68,654.36					56,508.28
V	5,142.84			3,532.70					1,610.14
Z	175,764.76			87,195.60					88,569.16
Retirement fund deducted	*7,066.00*			*3,928.14*					*3,137.86*
Special deposits, etc	67.59								67.59
Appropriation total	299,071.83			155,454.52					143,617.31
Appropriation purchases account, material and statistical overhead	743,587.73			415,202.69					328,385.04
Grand total	1,042,659.56			570,657.21					472,002.35
171. NAVY YARD, WASHINGTON, D. C.:									
D	38,560.21				22,749.99	13,669.08			2,141.14
K	7,406.00				4,654.50	1,807.58			943.92
P	7,445.83				2,989.92	1,924.25	1,244.31		1,287.35
E	37,249.00		11,097.12	2,608.86	882.02	55.82	710.70		21,894.48
G	1,898,922.14		334,100.61	603,642.88	82,331.22	25,500.11	326,216.77	61.91	527,068.64
V	962,674.71		30,808.54	233,779.49	157,537.83	57,962.98		35,420.39	447,165.48
Z	5,161,863.44	24,950.99		588,537.95	45,694.46	20,868.32		67,810.40	4,414,001.32
Marine Corps, etc	372,455.44								372,455.44
Overabsorbed	*180,701.63*	*537.89*	*5,345.75*	*82,984.76*	*10,655.96*	*2,601.33*	*69.45*	*547.73*	*77,958.76*
Retirement fund deducted	*141,865.01*	*553.92*	*7,977.43*	*26,770.75*	*5,524.63*	*4,107.78*	*7,624.87*	*1,683.41*	*87,622.22*
Appropriation total	8,164,010.13	23,859.18	362,683.09	1,318,813.67	300,659.35	115,079.03	320,477.46	101,061.56	5,621,376.79
Appropriation purchases account, material and statistical overhead	1,422,888.12	658.72	31,245.52	481,645.46	71,851.85	9,294.61	2,834.52	11,303.98	814,053.46
Grand total	9,586,898.25	24,517.90	393,928.61	1,800,459.13	372,511.20	124,373.64	323,311.98	112,365.54	6,435,430.25

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
181. NAVY YARD, NORFOLK, VA.:									
A	$36,827.57	$4,649.90				$37.32			$32,140.35
D	1,194,283.06			$20,465.28	$465,803.89	695,999.84		$154.28	11,859.77
K	626,118.82	15,899.01		2,660.74	221,387.71	89,611.43		9,608.13	286,951.80
P	120,544.35			32,273.61	64,875.72	22,179.26	$449.09		766.67
E	166,784.11		$29,368.00	38.57	9,912.41	26,074.10	4,320.87	8,739.63	88,330.53
G	1,829,278.93		486,300.05	51,270.70	215,025.88	131,542.78	475,310.22	919.20	468,910.10
V	365,843.67	21.16	7,871.67	153,522.57	126,924.04	57,820.93	10,194.01	729.02	8,760.27
Z	4,760,284.26	99,611.50		9,726.65	111,664.87	69,394.67		7,507.06	4,462,379.51
Underabsorbed	35,926.01		2,952.06	2,329.02	16,038.62	13,813.66	574.81	217.84	
Overabsorbed	3,001.36	*50.97*							3,052.33
Retirement fund deducted	*112,383.13*	*1,865.10*	*10,502.85*	*4,865.27*	*24,026.67*	*20,949.70*	*11,458.55*	*536.92*	*38,178.07*
Marine Corps, etc	233,167.31								233,167.31
Appropriation total	9,259,676.32	118,265.50	515,988.93	267,421.87	1,207,606.47	1,085,524.29	479,390.45	27,338.24	5,558,140.57
Appropriation purchases account, material and statistical overhead	832,194.16	*59,239.00*	19,765.80	41,517.56	400,746.62	206,900.74	1,129.63	3,034.85	218,337.96
Grand total	10,091,870.48	59,026.50	535,754.73	308,939.43	1,608,353.09	1,292,425.03	480,520.08	30,373.09	5,776,478.53
191. NAVY YARD, CHARLESTON, S. C.:									
A	5,868.29	1,047.95			257.65	4,562.69			
D	291,577.08			54.41	156,141.83	118,800.55			16,580.29
K	30,639.58				19,447.91	11,159.27			32.40
P	9,587.66			874.61	4,995.71	2,789.15			928.19
E	23,428.03		2,438.87		9,335.94	10.92	299.80		11,342.50
G	545,783.94		121,552.88	4,334.33	76,279.91	22,451.17	154,622.46		166,543.19
V	43,723.32		3,645.24	3,124.25	20,605.14	3,181.83	3.43		13,163.43
Z	97,363.28			96.07	12,342.24	525.12			84,399.85
Marine Corps, etc	37,740.07								37,740.07
Overabsorbed	*9,187.22*	*6.22*	*1,749.70*	*27.63*	*4,171.64*	*1,866.48*	*13.60*		*1,351.95*
Retirement fund deducted	*19,239.93*	*2.96*	*2,544.54*	*188.98*	*5,862.68*	*3,136.09*	*3,657.84*		*3,846.84*
Appropriation total	1,057,284.10	1,038.77	123,342.75	8,267.06	289,372.01	158,478.13	151,254.25		325,531.13
Appropriation purchases account, material and statistical overhead	183,143.67	36.28	5,507.67	2,047.10	101,263.53	47,983.31	1,919.56		24,386.22
Grand total	1,240,427.77	1,075.05	128,850.42	10,314.16	390,635.54	206,461.44	153,173.81		349,917.35
221. NAVY YARD, MARE ISLAND, CALIF.:									
A	13,825.21	9,564.86				4,260.35			
C	2,744.98				1,682.28	1,028.66			34.04
D	1,644,020.75				627,887.19	838,713.32			177,320.24

K	779,051.81	79.21			429,742.91	182,091.09			167,138.60
P	206,968.83			64,144.86	65,782.37	60,738.58	372.36	243.05	15,687.61
E	563,218.26		9,422.29		15,424.29	1,654.71	1,873.80		534,843.17
G	2,275,748.29		455,401.90	29,263.91	246,443.10	195,906.96	854,163.33		494,569.09
V	400,445.53		500.48	230,632.41	61,723.68	78,852.00	3,000.79	1,438.86	24,297.31
Z	2,557,880.40	87.90	257.54	18,864.76	13,221.85	58,008.14			2,467,440.21
Underabsorbed	73,335.82	11.24	4,250.80	5,600.32	27,371.09	27,341.92	1,200.85	8.82	7,550.78
Retirement fund deducted	*128,746.61*	*185.68*	*9,713.61*	*6,428.59*	*29,063.93*	*26,247.67*	*19,965.40*	*37.99*	*37,103.74*
Marine Corps, etc	282,264.70								282,264.70
Appropriation total	8,670,757.97	9,557.53	460,119.40	342,077.67	1,460,214.83	1,422,348.06	840,645.73	1,652.74	4,134,142.61
Appropriation purchases account, material and statistical overhead	1,185,119.05	667.10	47,116.16	49,674.81	222,783.64	251,836.06	6,355.04	197.35	606,488.89
Grand total	9,855,877.02	10,224.63	507,235.56	391,752.48	1,682,998.47	1,674,184.12	847,000.77	1,850.09	4,740,630.90
251. NAVY YARD, PUGET SOUND, WASH.:									
A	1,317,462.65	1,251,285.63			39,769.04	24,729.69			1,678.29
C	16,987.64				2,022.63	14,562.46			402.55
D	1,805,723.55			14,020.60	591,399.15	1,158,684.01		1,557.89	40,061.90
K	1,159,323.49	98,629.18		19,666.20	349,153.26	142,687.56		9,951.60	539,235.69
P	435,377.58			246,437.24	145,054.67	27,792.20	3,688.42	3,176.90	9,228.15
E	206,970.47		28,123.74	3,939.49	4,075.75	4,051.78	1,715.00	14,388.65	150,676.06
G	1,712,701.04		381,138.62	35,661.90	230,952.32	170,939.53	444,819.87		449,188.80
V	70,996.00		2,877.98	6,683.98	18,117.97	12,849.38	4,486.03	8,982.43	16,998.23
Z	1,101,688.36			10,602.19	563.72	2,175.88		3,817.01	1,084,529.56
Underabsorbed	159,867.02	30,420.75	17,806.80	8,294.98	47,412.99	42,952.79	694.24	2,256.01	10,028.46
Retirement fund deducted	*138,811.00*	*24,074.16*	*8,768.99*	*7,486.12*	*28,680.27*	*30,249.94*	*10,664.80*	*920.48*	*27,966.24*
Marine Corps, etc	250,347.96								250,347 96
Appropriation total	8,098,634.76	1,356,261.40	421,178.15	337,820,46	1,399,841.23	1,571,175.34	444,738.76	43,210.01	2,524,409.41
Appropriation purchases account, material and statistical overhead	1,146,794.63	368,497.93	52,264.49	62,711.15	188,044.63	169,533.82	6,249.51	23,506.30	275,986.80
Grand total	9,245,429.39	1,724,759.33	473,442.64	400,531.61	1,587,885.86	1,740,709.16	450,988.27	66,716.31	2,860,396.21
311. NAVAL STATION, PEARL HARBOR, HAWAII:									
C	339.10				.27	338.83			
D	515,810.59				312,377.25	203,427.22			6.12
K	123,113.37			225.70	79,075.01	21,515.98			22,296.68
P	31,065.97			11,661.20	9,759.95	6,748.08	1,096.14		1,800.60
E	480,800.67		34,674.41	5,294.05	36,870.15	40,453.51	125.00	4,720.86	358,662.69
G	1,169,487.30		381,449.34	47,630.57	104,654.32	72,189.28	217,445.02	7,468.25	338,650.52
V	115,890.15		1,903.94	9,167.20	70,701.82	25,036.23	33.42		9,047.54
Z	248,678.98			1,458.26				7,013.90	240,206.82
Underabsorbed	25,153.15		6,556.86		6,164.70	6,347.56	82.91	141.42	5,859.70
Retirement fund deducted	*46,673.78*		*8,357.99*	*1,582.27*	*11,947.56*	*7,919.73*	*5,211.53*	*342.27*	*11,312.43*
Overabsorbed	*282.06*			*282.06*					
Marine Corps, etc	67,270.75								67,270.75
Appropriation purchases account, material and statistical overhead	2,730,654.19		416,226.56	73,572.65	607,655.91	368,136.96	213,570.96	19,002.16	1,032,488.99
Grand total	1,111,748.19		29,152.35	13,456.44	413,211.69	121,424.14	20,659.07	15,812.20	498,032.30
	3,842,402.38		445,378.91	87,029.09	1,020,867.60	489,561.10	234,230.03	34,814.36	1,530,521.29

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
321. NAVAL STATION, CAVITE, P. I.:									
D	$557,417.18			$1,134.77	$238,687.72	$317,594.69			
K	47,809.01				25,272.12	22,460.49			$76.40
P	84,155.92			5,197.28	43,797.06	33,278.68			1,882.90
E	122,022.11		$10,173.63		30,537.21	1,660.73	$645.84		79,004.70
G	1,016,477.84		219,883.61	6,422.91	137,474.07	89,911.57	251,150.89		311,634.79
V	74,586.40		6,195.20	46,221.99	4,761.11	10,118.31	4,974.78		2,315.01
Z	639,988.69			3,381.75		472.90			636,134.04
Overabsorbed	*324.41*		*231.62*	*92.79*					
Retirement fund deducted	*3,635.20*		*497.22*	*82.27*	*757.07*	*686.07*	*836.80*		*775.77*
Underabsorbed	2,593.10				1,005.97	1,587.32	12.27		*12.46*
Other Governement departments, etc	51,135.67								51,135.67
	2,592,226.31		235,523.60	62,183.64	480,778.19	476,398.62	255,946.98		1,081,395.28
Appropriation purchases account, material and statistical overhead	335,360.04		14,469.65	17,108.89	116,845.82	131,062.84	685.73		55,187.11
Grand total	2,927,586.35		249,993.25	79,292.53	597,624.01	607,461.46	256,632.71		1,136,582.39
101. FUEL DEPOT, FRENCHMAN BAY, ME.:									
S	1,285.20								1,285.20
105. NAVAL HOSPITAL, PORTSMOUTH, N. H.:									
S	112,289.69								112,289.69
Retirement fund deducted	*286.73*								*286,73*
Appropriation total	112,002.96								112,002.96
Appropriation purchases account material	29,658.11								29,658.11
Grand total	141,661.07								141,661.07
109. NAVY MINE DEPOT, YORKTOWN, VA.:									
R	1,581.26			1,581.26					
S	203,172.96		17,834.15	137,496.00			8,802.79		39,040.02
V	36,844.54			36,746.74			97.80		
Z	8,782.45			6,454.97					2,327.48
Retirement fund deducted	*4,747.22*		*351.18*	*4,075.70*			*218.89*		*101.45*
Proceeds of sales	76.64								76.64
Appropriation total	245,710.63		17,482.97	178,203.27			8,681.70		41,342.69
Appropriation purchases account, material	165,965.90		1,560.06	147,923.90	1,500.00	315.00	15.50		14,651.44
Grand total	411,676.53		19,043.03	326,127.17	1,500.00	315.00	8,697.20		55,994.13

112. NAVAL HOSPITAL, CHELSEA, MASS.:									
S	666,142.15						3,048.47		663,093.68
V	143.00				143.00				
Retirement fund deducted	*2,952.12*						*79.29*		*2,872.83*
Appropriation total	663,333.03				143.00		2,969.18		660,220.85
Appropriation purchases account, material	200,824.59		1,465.00				1,042.50		198,317.09
Grand total	864,157.62		1,465.00		143.00		4,011.68		858,537.94
113. NAVAL AMMUNITION DEPOT, HINGHAM, MASS.:									
R	397.75		397.75						
S	187,834.67			177,636.17					10,198.50
V	41,474.83			41,474.83					
Z	358.92			358.92					
Retirement fund deducted	*5,136.98*			*5,136.98*					
Other Government depots, etc	2,417.52								2,417.52
Appropriation total	227,346.71		397.75	214,332.94					12,616.02
Appropriation purchases, account material	47,749.38			34,074.60					13,674.78
Grand total	275,096.09		397.75	248,407.54					26,290.80
118. NAVAL AIR STATION, CHATHAM, MASS.:									
S	15.57								15.57
Appropriation purchases account, material	117.95							$62.00	55.95
Grand total	133.52							62.00	71.52
120. NAVY PURCHASING OFFICE, NEWPORT, R. I.:									
S	78.89						41.89		37.00
V	8,940.15						8,940.15		
Retirement fund deducted	*223.49*						*223.49*		
Appropriation total	8,795.55						8,758.55		37.00
121. NAVAL TRAINING STATION, NEWPORT, R. I.:									
D	27,441.32				23,747.34	3,693.98			
R	10,151.24				5,900.00	2,401.24	210.00		1,640.00
S	1,702,638.35	$189.01		247.26	72,501.65	8,146.20	33,477.07		1,588,077.16
V	3,339.92								3,339.92
Z	13,033.41								13,033.41
Retirement fund deducted	*3,677.26*				*1,112.20*	*80.63*	*711.49*		*1,772.94*
Special deposits, etc	551.57								551.57
Appropriation total	1,753,478.55	189.01		247.26	101,036.79	14,160.79	32,975.58		1,604,869.12
Appropriation purchases account, material	102,497.79			690.55	87.78	2,415.53	849.45		98,454.48
Grand total	1,855,976.34	189.01		937.81	101,124.57	16,576.32	33,825.03		1,703,323.60

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
122. NAVY TORPEDO STATION, NEWPORT, R. I.:									
P	$1,615.73			$1,615.73					
S	1,164,249.91			276,040.64	$63,338.17	$46,883.84	$34,383.19		$743,604.07
V	553,350.21			197,050.95			3,186.65	$2,518.01	350,594.60
Z	1,306,317.73	$5,348.43		474,775.13	1,134.28	105.11			824,954.78
Retirement fund deducted	*50,757.75*	*122.67*		*21,875.68*	*726.48*	*97.40*	*900.73*		*27,034.79*
Special deposits, etc	3,032.62								3,032.62
Appropriation total	2,977,808.45	5,225.76		927,606.77	63,745.97	46,891.55	36,669.11	2,518.01	1,895,151.28
Appropriation purchases account, material	2,780,008.19	8,571.90		346,641.60	27,596.54	5,187.36	2,274.66	52,633.24	2,337,102.89
Grand total	5,757,816.64	13,797.66		1,274,248.37	91,342.51	52,078.91	38,943.77	55,151.25	4,232,254.17
123. NAVAL STATION, NARRAGANSETT BAY, R. I.:									
R	22,812.73		$4,267.88						18,544.85
S	356,245.24		109,221.59					81.90	246,941.75
Z	158,682,93								158,682.93
Retirement fund deducted	*6,993.51*		*2,319.45*					*1.86*	*4,672.20*
Special deposits, etc	217.71								217.71
Appropriation total	530,965.10		111,170.02					80.04	419,715.04
Appropriation purchases account, material	64,908.99		9,904.66						55,004.33
Grand total	595,874.09		121,074.68					80.04	474,719.37
124. NAVAL WAR COLLEGE, NEWPORT, R. I.:									
R	561.43								561.43
S	194,989.46								194,989.46
Retirement fund deducted	*1,744.53*								*1,744.53*
Appropriation total	193,806.36								193,806.36
Appropriation purchases account, material	6,555.10								6,555.10
Grand total	200,361.46								200,361.46
125. FUEL DEPOT, MELVILLE, R. I.:									
R	724.39					724.39			
S	119,074.78				18,886.47	1,237.79	3,647.14		95,303.38
V	14.00								14.00
Z	10,683.58								10,683.58
Retirement fund deducted	*2,220.65*				*361.47*	*12.61*	*90.77*		*1,755.80*
Appropriation total	128,276.10				18,525.00	1,949.57	3,556.37		104,245.16

Appropriation purchases account, material	845.50				826.28				19.22
Grand total	129,121.60				19,351.28	1,949.57	3,556.37		104,264.38
129. SUBMARINE BASE, NEW LONDON, CONN.:									
R	4,211.85		5,923.11			1,200.74			*2,912.00*
S	425,901.89		131,449.90	36,076.83	19,137.78	34,519.17	31,665.78		173,052.43
Retirement fund deducted	*2,800.76*		*1,532.47*	*427.07*	*36.82*	*6.94*	*719.00*		*78.46*
Marine Corps, etc	506.98								506.98
Appropriation total	427,819.96		135,840.54	35,649.76	19,100.96	35,712.97	30,946.78		170,568.95
Appropriation purchases account, material	126,903.78		3,535.96	2,511.23	76,528.89	7,139.78	186.00		37,001.92
Grand total	554,723.74		139,376.50	38,160.99	95,629.85	42,852.75	31,132.78		207,570.87
132. NAVAL SUPPLY DEPOT, SOUTH BROOKLYN, N. Y.:									
S	1,045,617.65		63,065.94		31.45	24.63	780,460.67		202,034.96
V	35,291.23	121.00	9,427.25	89.14	4,912.19	1,172.98	15,692.71	161.21	3,714.75
Z	1,752,689.62								1,752,689.62
Retirement fund deducted	*31,252.01*		*1,474.92*	*.41*	*63.87*	*.54*	*17,301.75*		*12,410.52*
Special deposits, etc	12,032.87								12,032.87
Appropriation total	2,814,379.36	121.00	71,018.27	88.73	4,879.77	1,197.07	778,851.63	161.21	1,958,061.68
Appropriation purchases account, material	4,268,316.22		1,586.97	510.94	469.36	1,090.55	10,742.93	40.30	4,253,875.17
Grand total	7,082,695.58	121.00	72,605.24	599.67	5,349.13	2,287.62	789,594.56	201.51	6,211,936.85
134. NAVAL AMMUNITION DEPOT, FORT LAFAYETTE, N. Y.:									
S	16,740.07			16,740.07					
Retirement fund deducted	*399.68*			*399.68*					
Appropriation total	16,340.39			16,340.39					
Appropriation purchases account, material	4,578.11			3,649.82					928.29
Grand total	20,918.50			19,990.21					928.29
135. NAVAL AMMUNITION DEPOT, IONA ISLAND, N. Y.:									
R	2,993.80				2,741.33	252.47			
S	278,411.51			192,921.96		44.28	7,955.80		77,489.47
V	37,701.01			37,505.31			195.70		
Z	11,402.07			4,668.53					6,733.54
Retirement fund deducted	*5,886.81*			*5,304.67*			*194.66*		*387.48*
Special deposits, etc	47.70								47.70
Appropriation total	324,669.28			229,791.13	2,741.33	296.75	7,956.84		83,883.23
Appropriation purchases account, material	52,121.61			46,188.08		1,500.00	16.08		4,417.45
Grand total	376,790.89			275,979.21	2,741.33	1,796.75	7,972.92		88,300.68

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
136. NAVAL AMMUNITION DEPOT, LAKE DENMARK, N. J.:									
S	$159,271.23			$147,441.80			$3,268.33		$8,561.10
V	743.58			707.69			35.89		
Retirement fund deducted	*3,359.53*			*3,154.36*			*81.86*		*123.31*
Appropriation total	156,655.28			144,995.13			3,222.36		8,437.79
Appropriation purchases account, material	19,659.16			19,074.99					584.17
Grand total	176,314.44			164,070.12			3,222.36		9,021.96
137. NAVAL HOSPITAL, NEW YORK, N. Y.:									
V	75.00								75.00
S	983,966.46						3,115.54	$1,441.56	979,409.36
Retirement fund deducted	*3,788.25*						*76.76*	*24.40*	*3,687.09*
Appropriation total	980,253.21						3,038.78	1,417.16	975,797.27
Appropriation purchases account, material	199,098.21							1.40	199,096.81
Grand total	1,179,351.42						3,038.78	1,418.56	1,174,894.08
140. NAVY PURCHASING OFFICE, NEW YORK, N. Y.:									
S	524,843.88		$18.87	.60	$1.59		57,662.35		467,160.47
V	147,074.05		16,898.97	1,052.47	1,509.80	$1,080.96			126,531.85
Retirement fund deducted	*4,428.01*		*399.57*	*12.76*	*24.49*	*17.53*	*1,343.02*		*2,630.64*
Appropriation total	667,489.92		16,518.27	1,040.31	1,486.90	1,063.43	56,319.33		591,061.68
Appropriation purchases account, material	1,196.71		21.62	47.58			108.86		1,018.65
Grand total	668,686.63		16,539.89	1,087.89	1,486.90	1,063.43	56,428.19		592,080.33
144. MEDICAL SUPPLY DEPOT, NEW YORK, N. Y.:									
S	104,011.81								104,041.81
Retirement fund deducted	*2,304.20*								*2,304.20*
Appropriation total	101,737.61								101,737.61
Appropriation purchases account, material	14,406.41								14,406.41
Grand total	116,144.02								116,144.02

148. NAVAL AIR STATION, ROCKAWAY BEACH, N.Y.:									
S	8,928.87							8,331.73	597.14
Retirement fund deducted	*126.20*							*126.20*	
Appropriation total	8,802.67							8,205.53	597.14
Appropriation purchases account, material	*28.13*							*28.13*	
Grand total	8,774.54							8,177.40	597.14
152. NAVAL AMMUNITION DEPOT, FORT MIFFLIN, PA.:									
R	580.00				580.00				
S	233,060.24			199,173.01			3,793.56		30,093.67
V	27,875.28			26,135.02					1,740.26
Z	1,667.19			921.98					745.21
Retirement fund deducted	*5,241.60*			*5,045.25*			*91.44*		*104.91*
Other Government departments	2,341.88								2,341.88
Appropriation total	260,282.99			221,184.76	580.00		3,702.12		34,816.11
Appropriation purchases account, material	12,915.29			9,784.24	366.83				2,764.22
Grand total	273,198.28			230,969.00	946.83		3,702.12		37,580.33
153. NAVAL HOME, PHILADELPHIA, PA.:									
R	334.27								334.27
S	162,991.73						278.09		162,713.64
Retirement fund deducted	*1,549.38*								*1,549.38*
Appropriation total	161,776.62						278.09		161,498.53
Appropriation purchases account, material	42,871.56		733.83	20.00	292.36	370.80	1,824.10	2,681.09	36,949.38
Grand total	204,648.18		733.83	20.00	292.36	370.80	2,102.19	2,681.09	198,447.91
157. NAVAL AIR STATION, CAPE MAY, N. J.:									
S	3,070.00								3,070.00
158. NAVAL HOSPITAL, LEAGUE ISLAND, PHILADELPHIA, PA.:									
R	672.50						157.50		515.00
S	626,862.98						1,064.73		625,798.25
Retirement fund deducted	*1,530.68*						*23.86*		*1,506.82*
Appropriation total	626,004.80						1,198.37		624,806.43
Appropriation purchases account, material	132,889.02				55.97		1,550.00		131,283.05
Grand total	758.893.82				55.97		2,748.37		756,089.48
159. DESTROYERS STORES OFFICE, PHILADELPHIA, PA.:									
S	4,317.47								4,317.47

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
161. NAVAL ACADEMY, ANNAPOLIS, MD.:									
R	$38,570.31								$38,570.31
S	5,214,659.01		$8,604.56	$532.89	$1,862.67	$23,213.45	$46,761.64	$765.50	5,132,918.30
V	67,985.27		10.88			39,631.85		2,336.86	26,005.68
Retirement fund deducted	*36,787.07*		*172.99*		*42.00*	*1,864.12*	*1,096.62*	*67.33*	*33,544.01*
Special deposits, etc	14,926.23								14,926.23
Appropriation total	5,299,353.75		8,442.45	532.89	1,820.67	60,981.18	45,665.02	3,035.03	5,178,876.51
Appropriation purchases account, material	591,954.82		3,010.79	116,519.85		500.69	2,838.58	267.58	468,817.33
Grand total	5,891,308.57		11,453.24	117,052.74	1,820.67	61,481.87	48,503.60	3,302.61	5,647,693.84
162. NAVAL HOSPITAL, ANNAPOLIS, MD.:									
S	118,187.58								118,187.58
Retirement fund deducted	*298.98*								*298.98*
Appropriation total	117,888.60								117,888.60
Appropriation purchases account, material	23,549.37								23,549.37
Grand total	141,437.97								141,437.97
165. NAVAL ORDNANCE PLANT, SOUTH CHARLESTON, W. VA.:									
R	177.73								177.73
S	149,400.84			110,368.99			10,001.44		29,030.41
V	1,259.73	$14.80	49.75			11.95		3.44	1,179.79
Z	343.84								343.84
Retirement fund deducted	*3,080.90*	*.37*	*1.17*	*2,446.38*		*.24*	*242.48*	*.06*	*390.20*
Marine Corps, etc	25,371.82								25,371.82
Appropriation total	173,473.06	14.43	48.58	107,922.61		11.71	9,758.96	3.38	55,713.39
Appropriation purchases account, material	53,704.10		2.38	53,037.43		.25	6.62	11.19	646.23
Grand total	227,177.16	14.43	50.96	160,960.04		11.96	9,765.58	14.57	56,359.62
166. NAVAL AIR STATION, ANACOSTIA, D. C.:									
S	477,005.71		464.58			43.28	78.00	99,830.98	376,588.87
Retirement fund deducted	*854.50*							*854.50*	
Appropriation total	476,151.21		464.58			43.28	78.00	98,976.48	376,588.87
Appropriation purchases account, material	45,109.29		648.33				10.00	41,943.22	2,507.74
Grand total	521,260.50		1,112.91			43.28	88.00	140,919.70	379,096.61

172. NAVAL OBSERVATORY, WASHINGTON, D. C.:									
S	160,588.00			9.65		12.00		87.09	160,479.26
Appropriation total	160,588.00			9.65		12.00		87.09	160,479.26
Appropriation purchases account, material	2,610.86								2,610.86
Grand total	163,198.86			9.65		12.00		87.09	163,090.12
173. NAVAL RESEARCH LABORATORY, BELLEVUE, D. C.:									
R	55,508.62				125.09	15,270.26	211.58		39,901.69
S	105,128.24				112.40	16,983.72	11,288.14		76,743.98
V	199,039.48		3,856.16	9,264.48	353.66	144,790.36		3,043.40	37,731.42
Z	9,175.10					6,364.56		320.00	2,490.54
Retirement fund deducted	*5,471.88*		*96.43*	*231.63*	*8.95*	*3,162.35*	*270.29*	*82.25*	*1,619.98*
Special deposits	25.50								25.50
Appropriation total	363,405.06		3,759.73	9,032.85	582.20	180,246.55	11,229.43	3,281.15	155,273.15
Appropriation purchases account, material	146,041.17		3,150.00		5,261.37	26,774.54	294.63	572.41	109,988.22
Grand total	509,446.23		6,909.73	9,032.85	5,843.57	207,021.09	11,524.06	3,853.56	265,261.37
174. NAVAL POWDER FACTORY, INDIANHEAD, MD.:									
R	5,287.00			37.00					5,250.00
S	514,873.31			295,168.61			22,605.82		197,098.88
V	25,535.90			24,857.68			663.22		15.00
Z	539,023.18			538,090.57					932.61
Retirement fund deducted	*17,600.69*			*16,333.80*			*565.96*		*700.93*
Special deposits, etc	26,868.32								26,868.32
Appropriation total	1,093,987.02			841,820.06			22,703.08		229,463.88
Appropriation purchases account, material	537,882.79		8.08	525,846.34			241.93		11,786.44
Grand total	1,631,869.81		8.08	1,367,666.40			22,945.01		241,250.32
175. NAVAL HOSPITAL, WASHINGTON, D. C.:									
S	862,572.50				42.96		3,514.18		859,015.36
V	82.20				82.20				
Retirement fund deducted	*2,261.95*						*87.38*		*2,174.57*
Appropriation total	860,392.75				125.16		3,426.80		856,840.79
Appropriation purchases account, material	131,295.58								131,295.58
Grand total	991,688.33				125.16		3,426.80		988,136.37
176. NAVAL MEDICAL SCHOOL, WASHINGTON, D. C.:									
S	14,045.92								14,045.92
Retirement fund deducted	*254.39*								*254.39*
Appropriation total	13,791.53								13,791.53
Appropriation purchases account, material	2,749.68								2,749.68
Grand total	16,541.21								16,541.21

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
178. NAVAL PROVING GROUND, DAHLGREN, VA.:									
R	$976.48			$976.48					
S	376,567.42			326,376.54		$438.42	$7,845.42		$41,907.04
V	73,453.02			36,501.50			269.53	$4,491.53	32,190.46
Z	665.96			518.96					147.00
Retirement fund deducted	*8,816.64*			*7,895.57*			*197.58*		*723.49*
Other Government departments, etc	6,282.31								6,282.31
Appropriation total	449,128.55			356,477.91		438.42	7,917.37	4,491.53	79,803.32
Appropriation purchases account, material	462,673.30		$595.00	337,590.05	$3,000.00	2,800.00		8,292.79	110,395.46
Grand total	911,801.85		595.00	694,067.96	3,000.00	3,238.42	7,917.37	12,784.32	190,198.78
179. NAVY DISBURSING OFFICE, BUREAU OF SUPPLIES AND ACCOUNTS:									
S	*55,718.91*								*55,718.91*
V	53,416.01								53,416.01
Appropriation total	*2,302.90*								*2,302.90*
Appropriation purchases account, material	1.25								1.25
Grand total	*2,301.65*								*2,301.65*
180. FUEL OIL DEPOT, YORKTOWN, VA.:									
S	25,506.57						1,423.52		24,083.05
Retirement fund deducted	*437.73*						*35.59*		*402.14*
Appropriation total	25,068.84						1,387.93		23,680.91
Appropriation purchases account, material	164.74								164.74
Grand total	25,233.58						1,387.93		23,845.65
182. NAVAL AMMUNITION DEPOT, ST. JULIENS CREEK, VA.:									
S	231,236.04			201,972.66			3,556.56		25,706.82
V	66,572.14			56,320.69					10,251.45
Z	3,524.51			3,524.51					
Retirement fund deducted	*6,071.34*			*5,729.54*			*88.91*		*252.89*
Other Government departments	23.56								23.56
Appropriation total	295,284.91			256,088.32			3,467.65		35,728.94
Appropriation purchases account, material	29,334.88			24,677.25			5.00		4,652.63
Grand total	324,619.79			280,765.57			3,472.65		40,381.57

183. NAVAL HOSPITAL, NORFOLK, VA.:									
S	1,072,109.83		204.26		415.80		6,215.58		1,065,274.19
V	87.36				87.36				
Z	*262.02*								*262.02*
Retirement fund deducted	*2,637.28*						*155.41*		*2,481.87*
Appropriation total	1,069,297.89		204.26		503.16		6,060.17		1,062,530.30
Appropriation purchases account, material	198,643.36		70.00						198,573.36
Grand total	1,267,941.25		274.26		503.16		6,060.17		1,261,103.66
185. NAVAL TRAINING STATION, HAMPTON ROADS, VA.:									
S	933,358.64								933,358.64
186. SUBMARINE BASE, HAMPTON ROADS, VA.:									
S	77,456.30			190.16	4,759.04	1,350.87	220.78		70,935.45
Appropriation total	77,456.30			190.16	4,759.04	1,350.87	220.78		70,935.45
Appropriation purchases account, material	187.31			5.80	181.51				
Grand total	77,643.61			195.96	4,940.55	1,350.87	220.78		70,935.45
187. NAVAL OPERATING BASE, HAMPTON ROADS, VA.:									
A	*1,807.48*	*$1,807.48*							
P	126.21						126.21		
R	31,928.55		12,747.07		640.61		1,047.10		17,493.77
S	2,756,198.79	901.56	362,080.43	20,782.49	5,417.63	2,446.47	553,107.51	4,645.12	1,806,817.58
V	48,182.75		2,818.62	14,381.96	18,646.77	310.68	192.08	1,028.40	10,804.24
Z	142,486.65	1,807.48	418.50	607.92					139,652.75
Retirement fund deducted	*31,114.64*		*7,975.86*	*852.94*	*24.94*		*12,443.47*	*115.08*	*9,702.35*
Marine Corps, etc	14,562.60								14,562.60
Appropriation total	2,960,563.43	901.56	370,088.76	34,919.43	24,680.07	2,757.15	542,029.43	5,558.44	1,979,628.59
Appropriation purchases account, material	337,424.79		60,094.33	18,912.59	113,946.19	17,904.55	11,805.89	461.31	114,299.93
Grand total	3,297,988.22	901.56	430,183.09	53,832.02	138,626.26	20,661.70	553,835.32	6,019.75	2,093,928.52
188. NAVAL AIR STATION, HAMPTON ROADS, VA.:									
S	722,556.26			334.08	1,053.49	558.48	35.10	111,161.00	609,414.11
Appropriation total	722,556.26			334.08	1,053.49	558.48	35.10	111,161.00	609,414.11
Appropriation purchases account, material	274,783.54			123.12				274,096.32	564.10
Grand total	997,339.80			457.20	1,053.49	558.48	35.10	385,257.32	609,978.21

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
192. NAVAL HOSPITAL, PORT ROYAL, S. C.:									
R	$3,268.30								$3,268.30
S	185,068.43				$3,279.06	$2,030.93			179,740.44
V	34.62						$34.62		
Retirement fund deducted	*230.96*								*230.96*
Appropriation total	188,140.39				3,297.06	2,030.93	34.62		182,777.78
Appropriation purchases account, material	37,737.55								37,737.55
Grand total	225,877.94				3,297.06	2,030.93	34.62		220,515.33
194. NAVAL PRISON, PARRIS ISLAND, S. C.:									
S	9,779.72		$1,003.50		2,593.30	5,159.09			1,023.83
Appropriation total	9,779.72		1,003.50		2,593.30	5,159.09			1,023.83
Appropriation purchases account, material	117.05								117.05
Grand total	9,896.77		1,003.50		2,593.30	5,159.09			1,140.88
199. NAVAL HOSPITAL, CHARLESTON, S. C.:									
R	410.21								410.21
S	77,945.18								77,945.18
Retirement fund deducted	*267.49*								*267.49*
Appropriation total	78,087.90								78,087.90
Appropriation purchases account, material	22,198.18								22,198.18
Grand total	100,286.08								100,286.08
201. NAVAL STATION, KEY WEST, FLA.:									
D	13,874.31				7,903.91	5,960.40			10.00
P	3,590.53				2,469.81	1,120.72			
R	4,470.45		1,013.40			200.00			3,257.05
S	383,455.96		121,863.81	$583.97	24,373.62	15,648.24	32,754.16		188,232.16
V	107.16			80.69	19.50				6.97
Z	120,264.67								120,264.67
Retirement fund deducted	*4,299.37*		*1,564.64*	*11.03*	*590.17*	*447.22*	*774.43*		*911.88*
Marine Corps, etc	4,726.03								4,726.03
Appropriation total	526,189.74		121,312.57	653.63	34,176.67	22,482.14	31,979.73		315,585.00
Appropriation purchases account, material	75,319.80		829.66	56.55	57,848.34	6,883.04	94.34		9,607.87
Grand total	601,509.54		122,142.23	710.18	92,025.01	29,365.18	32,074.07		325,192.87

204. NAVAL AIR STATION, PENSACOLA, FLA.:										
D	8,130.80				3,294.55	4,836.25				
K	797.15				713.27	83.88				
R	19,148.08				1,278.83		140.00	$16,879.25		850.00
S	1,982,331.74		5,885.86	7,425.52	11,726.70	19,744 71	56,990.75	354,513.79		1,526,014.41
V	500,417.03			378.76		5,148.66	690.84	496,451.37		*2,252.60*
Z	122,039.57					47.00		35,925.45		86,067.12
Retirement fund deducted	*20,664.68*		*123.30*	*130.31*	*271.20*	*583.07*	*1,424.61*	*16.577.29*		*1,554.90*
Marine Corps, etc	3,142.21									3,142.21
Appropriation total	2,615,341.90		5,762.56	7,673.97	16,742.15	29,277.43	56,396.98	887,192.57		1,612,296.24
Appropriation purchases account, material	695,586.57		949.30	159,893.56	1,338.80	162.10	103.00	500,527.88		32,611.93
Grand total	3,310,928.47		6,711.86	167,567.53	18,080.95	29,439.53	56,499.98	1,387,720.45		1,644,908.17
205. NAVAL STATION, NEW ORLEANS, LA.:										
D	5,139.09									5,139.09
S	225,700.49		36,551.46		47,974.26	6,522.73	9,097.92			125,554.12
V	46.56					46.56				
Z	956.09									956.09
Retirement fund deducted	*2,497.16*		*554.92*		*1,007.22*	*195.83*	*192.06*			*547.13*
Marine Corps, etc	15,526.20									15,526.20
Appropriation total	244,871.27		35,996.54		46,967.04	6,373.46	8,905.86			146,628.37
Appropriation purchases account, material	20,368.67		3,854.42		592.49		214.43			15,707.33
Grand total	265,239.94		39,850.96		47,559.53	6,373.46	9,120.29			162,335.70
210. NAVAL TRAINING STATION, GREAT LAKES, ILL.:										
D	373.67									373.67
R	9,246.46		87.50				475.09	42.50		8,641.37
S	1,946,544.91		28,719.64	638.81	16,007.30	124.10	72,285.09	2,246.75		1,826,523.22
V	150,533.44		3,304.27	36.00		24,263.11	6,562.01	26,989.12		89,378.93
Z	47.00									47.00
Retirement fund deducted	*13,922.38*		*582.03*		*150.49*	*618.99*	*1,706.32*	*671.71*		*10,192.84*
Other Government departments, etc	20,211.51									20,211.51
Appropriation total	2,113,034.61		31,529.38	674.81	15,856.81	23,768.22	77,615.87	28,606.66		1,934,982.86
Appropriation purchases account, material	222,407.89		8,064.00	12,958.83	9,539.73	222.16	271.95	5,532.46		185,818.76
Grand total	2,335,442.50		39,593.38	13,633.64	25,396.54	23,990.38	77,887.82	34,139.12		2,120,801.62
215. NAVAL TORPEDO STATION, ALEXANDRIA, VA.:										
S	58,070.05			53,521.42						4,548.63
Retirement fund deducted	*1,245.69*			*1,243.05*						*2.64*
Special deposits	119.48									119.48
Appropriation total	56,943.84			52,278.37						4,665.47
Appropriation purchases account, material	24,590.65			24,454.15						136.50
Grand total	81,534.49			76,732.52						4,801.97

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
217. NAVAL ARGON PLANT, FORT WORTH, TEX.:									
R	$69,028.45							$60,301.25	$8,727.20
S	297,704.59		$88.80				$29.50	277,696.35	19,889.94
Retirement fund deducted	*1,346.27*							*1,346.27*	
Appropriation total	365,386.77		88.80				29.50	336,651.33	28,617.14
Appropriation purchases account, material	461,694.66		304.30				29.50	199,292.24	262,068.62
Grand total	827,081.43		393.10				59.00	535,943.57	290,685.76
219. NAVAL OPERATING BASE, SAN FRANCISCO, CALIF.:									
C	2,382.64		2,382.64						
S	8,922.49		8,874.23					48.26	
V	135,139.15		9,676.46	$1,558.53		$33,464.68	40,051.14		50,388.34
Retirement fund deducted	*3,335.24*		*383.57*	*38.81*		*825.04*	*959.54*		*1,128.28*
Appropriation total	143,109.04		20,549.76	1,519.72		32,639.64	39,091.60	48.26	49,260.06
Appropriation purchases account, material	12,645.69		1,857.11			67.50	8,228.47	42.35	2,450.26
Grand total	155,754.73		22,406.87	1,519.72		32,707.14	47,320.07	90.61	51,710.32
220. NAVY PURCHASING OFFICE, SAN FRANCISCO, CALIF.:									
S	23,325.30								23,325.30
222. NAVAL AMMUNITION DEPOT, MARE ISLAND, CALIF.:									
R	200.00			200.00					
S	159,536.46			158,536.77					999.69
V	72,264.02			72,264.02					
Z	3,038.96			3,038.96					
Retirement fund deducted	*5,363.44*			*5,362.38*					*1.06*
Appropriation total	229,676.00			228,677.37					998.63
Appropriation purchases account, material	171,634.47			38,906.52	$21,661.99				111,065.96
Grand total	401,310.47			267,583.89	21,661.99				112,064.59

224. FUEL DEPOT, TIBURON, CALIF.:									
S	85,367.77		27,788.15				3,483.30		54,096.32
Retirement fund deducted	*1,207.09*		*123.25*				*86.47*		*997.37*
Appropriation total	84,160.68		27,664.90				3,396.83		53,098.95
Appropriation purchases account, material	1,738.64		330.99						1,407.65
Grand total	85,899.32		27,995.89				3,396.83		54,506.60
225. NAVY FUEL DEPOT, SAN DIEGO, CALIF.:									
R	1,579.52		1,579.52						
S	106,675.68		12,542.07		14,397.83	4,599.79			75,135.99
V	348.63		145.90						202.73
Z	11,700.14								11,700.14
Retirement fund deducted	*1,696.25*		*115.08*		*212.15*	*12.47*			*1,356.55*
Appropriation total	118,607.72		14,152.41		14,185.68	4,587.32			85,682.31
Appropriation purchases account, material	190,334.71		31,552.92		154,317.30	3,444.11			1,020.38
Grand total	308,942.43		45,705.33		168,502.98	8,031.43			86,702.69
226. NAVAL HOSPITAL, MARE ISLAND, CALIF.:									
R	70.00						70.00		
S	802,517.04						7,100.84		795,416.20
Retirement fund deducted	*2,128.50*						*146.35*		*1,982.15*
Appropriation total	800,458.54						7,024.49		793,434.05
Appropriation purchase account, material	172,254.91			25.20	289.37	*2,212.43*			174,152.77
Grand total	972,713.45			25.20	289.37	*2,212.43*	7,024.49		967,586.82
227. MEDICAL SUPPLY DEPOT, MARE ISLAND, CALIF.:									
G	*1,613.49*								*1,613.49*
S	22,136.59								22,136.59
Retirement fund deducted	*460.55*								*460.55*
Appropriation total	20,062.55								20,062.55
Appropriation purchases account, material	631.37								631.37
Grand total	20,693.92								20,693.92
243. MARINE CORPS BASE, SAN DIEGO, CALIF.:									
R	275,903.64								275,903.64
S	46,416.11								46,416.11
Retirement fund deducted	*.13*								*.13*
Appropriation total	322,319.62								322,319.62
Appropriation purchases account, material	180,096.45								180,096.45
Grand total	502,416.07								502,416.07

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
244. NAVAL BASE, SAN DIEGO, CALIF.:									
R	$1,630.68		$65.68				$1,215.00		$350.00
S	233,208.20		314.17			$1,120.24	148,841.87		82,931.92
V	171,928.36		119,795.24			9,380.48	16,445.88	$2,529.04	23,777.72
Z	961.14								961.14
Retirement fund deducted	*7,506.23*		*2,676.44*			*507.59*	*3,712.03*	*63.28*	*546.89*
Proceeds of sales	506.00								506.00
Appropriation total	400,728.15		117,498.65			9,993.13	162,790.72	2,465.76	107,979.89
Appropriation purchases account, material	117,857.08		18,103.58	$1,563.66	$20,966.00	46.50	8,299.56		68,877.78
Grand total	518,585.23		135,602.23	1,563.66	20,966.00	10,039.63	171,090.28	2,465.76	176,857.67
245. DESTROYER BASE, SAN DIEGO, CALIF.:									
D	47,539.36				24,283.93	22,291.96			963.47
K	1.03					1.03			
P	250.84				5.44	245.40			
R	6,544.65		4,383.98		254.63	679.00			1,227.04
S	129,000.74		23,963.33	4,767.79	41,885.13	35,915.85	20,111.76		2,356.88
V	25,239.22		9,306.20	990.73	6,341.27	7,693.62	28.22		879.18
Retirement fund deducted	*866.88*		*348.35*				*470.32*		*48.21*
Proceeds of sales	38.21								38.21
Appropriation total	207,747.17		37,305.16	5,758.52	72,770.40	66,826.86	19,669.66		5,416.57
Appropriation purchases account, material	98,976.61		21,245.98	17,144.52	12,829.80	40,288.87	541.80		6,925.64
Grand total	306,723.78		58,551.14	22,903.04	85,600.20	107,115.73	20,211.46		12,342.21
246. NAVAL AIR STATION, SAN DIEGO, CALIF.:									
R	19,964.47							19,964.47	
S	1,304,106.67		1,476.28	44.73	8,131.99	7,028.49	36,581.74	224,637.98	1,026,205.46
V	37,313.60			972.75	14.60			36,323.11	3.14
Z	2,364.57								2,364.57
Retirement fund deducted	*4,864.67*		*1.75*		*86.27*		*912.83*	*3,741.99*	*121.83*
Appropriation total	1,358,884.64		1,474.53	1,017.48	8,060.32	7,028.49	35,668.91	277,183.57	1,028,451.34
Appropriation purchases account, material	524,217.91		501.98	22,289.87	62,616.33	43,454.64	50.00	392,562.09	2,743.00
Grand total	1,883,102.55		1,976.51	23,307.35	70,676.65	50,483.13	35,718.91	669,745.66	1,031,194.34

247. NAVAL TRAINING STATION, SAN DIEGO, CALIF.:									
R	9,903.90					.70	157.50		9,745.70
S	1,417,128.98		258.35	63.49	26,825.67	1,809.65	2,338.43		1,385,833.39
V	95.00								95.00
Retirement fund deducted	*689.69*						*41.14*		*648.55*
Appropriation total	1,426,438.19		258.35	63.49	26,825.67	1,810.35	2,454.79		1,395,025.54
Appropriation purchases account, material	76,993.29		9,486.47	7,476.33	90.67	12,530.13	388.75		47,020.94
Grand total	1,503,431.48		9,744.82	7,539.82	26,916.34	14,340.48	2,843.54		1,442,046.48
248. DESTROYER STORES OFFICE, SAN DIEGO, CALIF.:									
R	280.00						280.00		
S	7,254.79						5,128.43		2,126.36
Retirement fund deducted	*119.22*						*119.00*		*.22*
Appropriation total	7,415.57						5,289.43		2,126.14
Appropriation purchases account, material	5.00						5.00		
Grand total	7,420.57						5,294.43		2,126.14
249. NAVAL TORPEDO SCHOOL, SAN DIEGO, CALIF.:									
Appropriation purchases account, material	7,013.00			7,013.00					
252. NAVAL AMMUNITION DEPOT, PUGET SOUND, WASH.:									
S	74,207.16		17.28	70,229.27					3,960.61
V	45,735.00			45,735.00					
Z	2,646.16			2,646.16					
Retirement fund deducted	*2,649.69*		*.43*	*2,632.18*					*17.08*
Special deposits	102.57								102.57
Appropriation total	120,041.20		16.85	115,978.25					4,046.10
Appropriation purchases account, material	21,357.42		339.68	9,806.60					11,211.14
Grand total	141,398.62		356.53	125,784.85					15,257.24
253. PACIFIC COAST TORPEDO STATION, KEYPORT, WASH.:									
R	13,770.85								13,770.85
S	285,466.13			121,305.93	443.18	2,753.12			160,963.90
V	41,573.27			41,573.27					
Z	2,492.28								2,492.28
Retirement fund deducted	*3,461.86*			*3,249.66*	*1.93*				*210.27*
Special deposits	259.60								259.60
Appropriation total	340,100.27			159,629.54	441.25	2,753.12			177,276.36
Appropriation purchases account, material	108,915.29			95,182.16	611.17	5,281.92			7,840.04
Grand total	449,015.56			254,811.70	1,052.42	8,035.04			185,116.40

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
254. NAVAL HOSPITAL, PUGET SOUND, WASH.:									
R	$3,106.00								$3,106.00
S	243,207.23								243,207.23
V	35.00								35.00
Retirement fund deducted	*773.56*								*773.56*
Appropriation total	245,574.67								245,574.67
Appropriation purchases account, material	371,414.15								371,414.15
Grand total	616,988.82								616,988.82
255. SUBMARINE AND DESTROYER BASE, ASTORIA, OREG.:									
R	7,405.35								7,405.35
S	2,202.35		$1,205.70						996.65
Retirement fund deducted	*53.04*		*28.38*						*24.66*
Appropriation total	9,554.66		1,177.32						8,377.34
Appropriation purchases account, material	9,306.95		5.00						9,301.95
Grand total	18,861.61		1,182.32						17,679.29
256. THIRTEENTH NAVAL DISTRICT, SEATTLE, WASH.:									
V	6,506.08						$355.52	$2,851.68	3,298.88
Retirement fund deducted	*162.69*						*8.90*	*71.34*	*82.45*
Appropriation total	6,343.39						346.62	2,780.34	3,216.43
259. NAVAL HOSPITAL, SAN DIEGO, CALIF.:									
R	214,857.63								214,857.63
S	772,017.25						5,678.29		766,338.96
Retirement fund deducted	*2,209.12*						*138.52*		*2,070.60*
Appropriation total	984,665.76						5,539.77		979,125.99
Appropriation purchases account, material	336,186.52						55.80		336,130.72
Grand total	1,320,852.28						5,595.57		1,315,256.71

262. MARINE BARRACKS, QUANTICO, VA.:									
R	1,825.47			$1,567.47					258.00
S	259,204.50			8,382.80		$273.86		5,658.28	244,889.56
Appropriation total	261,029.97			9,950.27		273.86		5,658.28	245,147.56
Appropriation purchases account, material	48,946.26				$12,116.77	589.82		16,702.22	19,537.45
Grand total	309,976.23			9,950.27	12,116.77	863.68		22,360.50	264,685.01
263. MARINE BARRACKS, PARRIS ISLAND, S. C.:									
S	8,340.95		8,054.88		188.23				97.84
Retirement fund deducted	*177.66*		*175.21*						*2.45*
Appropriation total	8,163.29		7,879.67		188.23				95.39
Appropriation purchases account, material	2,021.61		2,021.61						
Grand total	10,184.90		9,901.28		188.23				95.39
265. NAVAL AIR STATION, LAKEHURST, N. J.:									
C	17,095.76							17,095.76	
D	48,293.86							48,293.86	
K	19,026.74							19,026.74	
P	465.04							465.04	
R	4,841.38							4,841.38	
S	899,298.02		1,363.03			20.50	25,366.41	516,323.31	356,224.77
Z	9,035.91					*56.02*		8,318.08	773.85
Retirement fund deducted	*10,086.38*		*18.17*			*12.46*	*632.31*	*9,411.60*	*11.84*
Proceeds of sales	*97.00*								*97.00*
Appropriation total	987,873.33		1,344.86			*47.98*	24,734.10	604,952.57	356,889.78
Appropriation purchases account, material	2,348,210.79		498.31			2.69		2,343,399.61	4,310.18
Grand total	3,336,084.12		1,843.17			*45.29*	24,734.10	2,948,352.18	361,199.96
267. NAVAL HOSPITAL, KEY WEST, FLA.:									
S	38,243.06								38,243.06
Retirement fund deducted	*292.62*								*292.62*
Appropriation total	37,950.44								37,950.44
Appropriation purchases account, material	1,188.94								1,188.94
Grand total	39,139.38								39,139.38
301. NAVAL STATION, GUANTANAMO, CUBA:									
D	6,897.00				2,921.44	2,222.36			1,753.20
R	11,332.87				2,129.00	402.19			8,801.68
S	520,197.84		76,626.62	9,128.58	68,537.98	49,065.59	35,977.29		280,861.78
V	1,082.24								1,082.24
Z	85,295.34								85,295.34
Retirement fund deducted	*807.04*		*134.89.*		*56.41*	*53.70*	*347.02*		*215.02*
Marine Corps, etc	9,533.78								9,533.78
Appropriation total	633,532.03		76,491.73	9,128.58	73,532.01	51,636.44	35,630.27		387,113.00
Appropriation purchases account, material	253,097.49		6,763.36	66,467.85	74,804.42	4,018.50	111.80		100,931.56
Grand total	886,629.52		83,255.09	75,596.43	148,336.43	55,654.94	35,742.07		488,044.56

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
303. SUBMARINE BASE, COCO SOLO, CANAL ZONE:									
C	$6,043.15			$750.00		$322.74	$1,225.00		$3,745.41
D	17,311.35				$3,570.00	13,741.35			
R	3,832.81		$2,787.08		797.50		248.23		
S	268,763.75		42,867.99	2,225.30	24,584.28	18,900.39	16,376.47		163,809.32
Z	4,830.17								4,830.17
Appropriation, total	300,781.23		45,655.07	2,975.30	28,951.78	32,964.48	17,849.70		172,384.90
Appropriation purchases account, material	346,069.48		192,507.58	19,460.18	72,325.84	34,271.25	8,304.41		19,200.22
Grand total	646,850.71		238,162.65	22,435.48	101,277.62	67,235.73	26,154.11		191,585.12
305. NAVAL AIR STATION, COCO SOLO, CANAL ZONE:									
S	288,057.50		503.61	446.80	3,479.87	1,422.93	9,806.71	$68,715.47	203,682.11
Retirement fund deducted	*38.98*						*38.98*		
Appropriation total	288,018.52		503.61	446.80	3,479.87	1,422.93	9,767.73	68,715.47	203,682.11
Appropriation purchases account, material	96,662.20		143.53	7,646.86		34.30	549.29	40,402.87	47,885.35
Grand total	384,680.72		647.14	8,093.66	3,479.87	1,457.23	10,317.02	109,118.34	251,567.46
312. NAVAL HOSPITAL, PEARL HARBOR:									
R	1,393.52								1,393.52
S	273,699.86								273,699.86
Retirement fund deducted	*867.11*								*867.11*
Appropriation total	274,226.27								274,226.27
Appropriation purchases account, material	72,913.38								72,913.38
Grand total	374,139.65								374,139.65
313. NAVAL AMMUNITION DEPOT, KUAHUA, HAWAII:									
R	26,033.52			*10,092.60*					36,126.12
S	45,411.98			60,343.34					*14,931.36*
V	23,064.99			23,064.99					
Retirement fund deducted	*1,389.56*			*1,389.56*					
Appropriation total	93,120.93			71;926.17					21,194.76
Appropriation purchases account, material	100,167.78			100,167.78					
Grand total	193,288.71			172,093.95					21,194.76

314. SUBMARINE BASE, PEARL HARBOR, HAWAII:									
P	20.00						20.00		
S	238,034.00			2,907.16	20,000.00	12,100.00	4,195.81		198,831.03
Appropriation total	238,054.00			2,907.16	20,000.00	12,100.00	4,215.81		198,831.03
Appropriation purchases account, material	23,391.74			20,051.21		.75			3,339.78
Grand total	261,445.74			22,958.37	20,000.00	12,100.75	4,215.81		202,170.81
315. NAVAL AIR STATION, PEARL HARBOR, HAWAII:									
R	9,398.84							936.17	8,462.67
S	369,417.14			162.04				42,003.40	327,251.70
V	20,744.43							20,629.66	114.77
Retirement fund deducted	*248.52*							*248.52*	
Marine Corps, etc	2,274.70								2,274.70
Appropriation total	401,586.59			162.04				63,320.71	338,103.84
Appropriation purchases account, material	106,848.69					660.00		104,990.17	1,198.52
Grand total	508,435.28			162.04		660.00		168,310.88	339,302.36
319. DESTROYER STORES OFFICE, CAVITE, P. I.:									
Appropriation purchases account, material	2,788.97								2,788.97
320. SUBMARINE BASE, CAVITE, P. I.:									
S	29,208.02		9,460.76	2,176.53	2,228.24	3,595.06	1,253.94		10,493.49
Appropriation total	29,208.02		9,460.76	2,176.53	2,228.24	3,595.06	1,253.94		10,493.49
Appropriation purchases account, material	6,957.89			6,881.81	.38		75.70		
Grand total	36,165.91		9,460.76	9,058.34	2,228.62	3,595.06	1,329.64		10,493.49
322. NAVAL STATION, OLONGAPO, P. I.:									
S	131,345.31		35,585.40		4,510.73	4,096.98	21,892.85		65,259.35
V	2,151.02						632.32		1,518.70
Z	87,027.23								87,027.23
Retirement fund deducted	*215.75*		*90.56*		*8.91*		*55.77*		*60.51*
Special deposits	6,711.85								6,711.85
Appropriation total	227,019.66		35,494.84		4,501.82	4,096.98	22,469.40		160,456.62
Appropriation purchases account, material	2,729.72		1,708.66		45.25	335.10	12.55		628.16
Grand Total	229,749.38		37,203.50		4,547.07	4,432.08	22,481.95		161,084.78
323. NAVAL AMMUNITION DEPOT, CAVITE, P. I.:									
S	59,876.48			56,046.76					3,829.72
V	25,003.61			25,003.61					
Z	158.74			158.74					
Retirement fund deducted	*73.89*			*71.68*					*2.21*
Appropriation total	84,964.94			81,137.43					3,827.51
Appropriation purchases account, material	10,839.34			10,839.34					
Grand total	95,804.28			91,976.77					3,827.51

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
324. NAVAL HOSPITAL, CANACAO, P. I.:									
S	$240,865.71				$109.20		$50.00		$240,706.51
Appropriation total	240,865.71				109.20		50.00		240,706.51
Appropriation purchases account, material	88,333.92					$408.00			87,925.92
Grand total	329,199.63				109.20	408.00	50.00		328,632.43
328. NAVY GODOWN, HANKOW, CHINA:									
S	366.16								366.16
329. MARINE LEGATION, PEKING, CHINA:									
S	37,898.11					43.23			37,854.88
330. NAVY PURCHASING OFFICE, SHANGHAI, CHINA:									
S	12,916.22					17.49	823.80		12,074.93
V	1,002.48						1,002.48		
Appropriation total	13,918.70					17.49	1,826.28		12,074.93
341. NAVAL STATION, TUTUILA, SAMOA:									
S	359,349.02		$67,328.48	$269.46	16,001.01	6,257.22	8,858.56		260,634.29
Z	3,383.54								3,383.54
Retirement fund deducted	*88.35*						*43.35*		*45.00*
Other Government departments	1,202.60								1,202.60
Appropriation total	363,846.81		67,328.48	269.46	16,001.01	6,257.22	8,815.21		265,175.43
Appropriation purchases account, material	18,843.10		2,563.26	862.56	140.80	1.15	634.28		14,641.05
Grand total	382,689.91		69,891.74	1,132.02	16,141.81	6,258.37	9,449.49		279,816.48
351. NAVAL STATION, GUAM:									
D	833.29				407.93	425.36			
P	1,883.72				1,656.96	226.76			
R	32,988.13				11,170.83	2,636.31	290.00		18,890.99
S	564,201.68		58,364.58	465.92	23,751.22	20,730.52	27,053.71	$37,401.88	396,433.85
V	12,833.57			12,833.57					
Z	65,897.58								65,897.58

Retirement fund deducted	*279.45*				*35.10*	*129.37*	*79.70*		*35.28*
Marine Corps, etc	66,017.44								66,017.44
Appropriation total	744,375.96		58,364.58	13,299.49	36,951.84	23,889.58	27,264.01	37,401.88	547,204.58
Appropriation purchases account, material	326,600.85		8,379.70	13,821.12	4,614.32	4,685.97	583.20		294,516.54
Grand total	1,070,976.81		66,744.28	27,120.61	41,566.16	28,575.55	27,847.21	37,401.88	841,721.12
352. NAVAL HOSPITAL, GUAM:									
R	43.52								43.52
S	59,471.58								59,471.58
Appropriation total	59,515.10								59,515.10
Appropriation purchases account, material	16,997.63								16,997.63
Grand total	76,512.73								76,512.73
358. MARINE CORPS AIR STATION, SANTO DOMINGO, DOMICAN REPUBLIC:									
R	2,950.34								2,950.34
S	20,858.57								20,858.57
Appropriation total	23,808.91								23,808.91
359. MARINE CORPS AIR STATION, PORT AU PRINCE, HAITI:									
Appropriation purchases account, material	126,914.69								126,914.69
360. BRIGADE HEADQUARTERS, PORT AU PRINCE, HAITI:									
S	130,679.23						36.65	330.00	130,312.58
Appropriation total	130,679.23						36.65	330.00	130,312.58
Appropriation purchases account, material	49.05						49.05		
Grand total	130,728.28						85.70	330.00	130,312.58
361. FUEL DEPOT, PICHILINQUE BAY, MEXICO:									
S	424.57		19.00		9.60				395.97
Appropriation total	424.57		19.00		9.60				395.97
Appropriation purchases account, material	1,979.66		440.00			1,539.66			
Grand total	2,404.23		459.00		9.60	1,539.66			395.97
370. MISCELLANEOUS DISBURSING OFFICERS:									
S	33,304.37								

Statement 35.—EXPENDITURES BY YARDS, APPROPRIATIONS, AND TITLES—Continued

Yard and title	Total	Increase of the Navy	Maintenance Yards and Docks 1925	Ordnance and ordnance stores 1925	Construction and Repair 1925	Engineering 1925	Maintenance Supplies and Accounts 1925	Aviation Navy 1925	Other appropriations
371. NAVAL STATION, VIRGIN ISLANDS:									
R	$3,660.53			$20.53			$1,015.00		$2,625.00
S	632,311.46		$27,559.24	*20.53*	$9,430.41	$4,397.84	26,394.99		564,549.51
Z	6,577.79								6,577.79
Retirement fund deducted	*131.20*		*66.16*				*65.04*		
Appropriation total	642,418.58		27,493.08		9,430.41	4,397.84	27,344.95		573,752.30
Appropriation purchases account, material	22,600.55		2,517.32	6,011.21	2,510.05	549.55	209.92		10,802.50
Grand total	665,019.13		30,010.40	6,011.21	11,940.46	4,947.39	27,554.87		584,554.80
375. SANTO DOMINGO:									
S	16,969.60		41.22		45.86		423.84		16,458.68
Appropriation purchases account, material	5,514.71		4,320.13		539.81		440.06		214.71
Grand total	22,484.31		4,361.35		585.67		863.90		16,673.39
501. NAVAL ATTACHÉ, PARIS:									
S	26,142.90								26,142.90
510. NAVAL BASE, BALBOA, CANAL ZONE:									
D	620.00					620.00			
P	15.67								15.67
R	600.93		235.90		195.00	148.00	22.03		
S	22,852.65		12,931.50		360.23	357.97	8,308.77	$850.36	43.82
V	23,407.17		7,949.41		157.19	423.88	12,225.26		2,651.43
Retirement fund deducted	*536.01*		*177.70*				*300.51*		*57.80*
Appropriation total	46,960.41		20,939.11		712.42	1,549.85	20,255.55	850.36	2,653.12
Appropriation purchases account, material	183,682.35		498.95		3,249.83	4,500.00	69.57	69,288.45	106,075.55
Grand total	230,642.76		21,438.06		3,962.25	6,049.85	20,325.12	70,138.81	108,728.67
525. NAVAL HEADQUARTERS, LONDON, ENGLAND:									
S	9,339.60								9,339.60
568. SUBMARINE BASE, SAN PEDRO CALIF.:									
S	904.16								904.16

581. NAVAL BASE, CONSTANTINOPLE, TURKEY:									
S	2,063.77		968.59				4.03		1,091.15
Appropriation purchases account, material	481.61					476.01	5.60		
Grand total	2,545.38		968.59			476.01	9.63		1,091.15
602. ADDITIONAL FACILITIES, NEW YORK SHIPBUILDING CO., CAMDEN, N. J.:									
S	10,013.08								10,013.08
R	*10,000.00*	*$10,000.00*							
Appropriation total	13.08	*10,000.00*							10,013.08
603. ADDITIONAL FACILITIES, WILLIAM CRAMP & SONS, PHILADELPHIA, PA.:									
S	3,763.22								3,763.22
604. ADDITIONAL FACILITIES, NEWPORT NEWS SHIPBUILDING CO., NEWPORT NEWS, VA.:									
S	1,616.66								1,616.66
614. SQUANTUM YARDS, SQUANTUM, MASS.:									
V	5,328.75		5,328.75						
Retirement fund deducted	*35.62*		*35.62*						
Appropriation total	5,293.13		5,293.13						
Appropriation purchases account, material	10.50		10.50						
Grand total	5,303.63		5,303.63						
RADIO STATIONS:									
E	121,741.35				2.28	103,169.30			18,569.77
R	16,598.04					16,298.04			300.00
G	1,083,612.47				59.32	691,450.99			392,102.16
S	461,127.77				3.47	269,920.60		670.41	190,533.29
Appropriation total	1,683,079.63				65.07	1,080,838.93		670.41	601,505.22
Appropriation purchases account, material and statistical overhead	3,068,375.79		685.00	1,827.46	402.68	1,015,757.58	242.14	1,155.07	2,048,305.86
Grand total	4,751,455.42		685.00	1,827.46	467.75	2,096,596.51	242.14	1,825.48	2,649,811.08

Statement 36.—PROPERTY INVESTMENT AND TOTAL MAINTENANCE, SHORE STATIONS

Yards and stations	Date of establishment	Cost of original site	Land acquired in addition to original site	Total expenditures for buildings, improvements, and machinery	Total maintenance of establishment, including repairs
INDUSTRIAL YARDS					
Portsmouth, N. H. (including naval hospital and naval prison)	1800	$5,500.00	$105,000.00	$16,326,623.64	$35,684,477.63
Boston, Mass. (including naval hospital, Chelsea; ammunition depot, Hingham; and niter depot, Malden)	1800	60,746.92	1,418,772.48	38,525,308.67	75,074,747.17
New York, N. Y. (including depots, Dover, Iona Island, and Fort Lafayette, and naval hospital and medical supply depot)	1800	40,006.00	580,502.23	50,977,095.65	142,193,137.02
Naval ordnance plant, Baldwin, Long Island	1918	6,512.00	----------	157,615.26	1,079,237.98
Philadelphia, Pa. (including ammunition depot, Fort Mifflin, Pa.)	1868	1.00	60,764.00	53,695,741.43	73,660,622.46
Aircraft factory, Philadelphia, Pa	1918	----------	----------	6,589,296.02	11,751,376.11
Washington, D. C. (including naval hospital, dispensary, medical school, and research laboratory, Bellevue)	1800	4,000.00	915,383.51	40,811,211.70	76,284,372.37
Norfolk, Va. (including naval hospital, naval ammunition depot, St. Julien's Creek, Craney Island, Yorktown, and Fort Norfolk)	1800	12,000.00	643,188.20	48,843,465.20	89,701,879.44
Charleston, S. C. (including naval hospital)	1901	84,207.00	26,300.00	11,838,055.11	21,323,896.48
Marc Island, Calif. (including naval hospital, ammunition depot, and medical supply depot)	1853	83,419.00	----------	40,514,879.30	78,227,118.75
Puget Sound, Wash. (including naval hospital, ammunition depot, and rifle range)	1891	9,587.25	311,346.00	23,312,959.10	43,049,349.43
Pearl Harbor, Hawaii	1900	55,737.50	20,115.00	26,852,767.47	13,266,386.67
Cavite, P. I. (including naval hospital, Canacao, Sangley Point, and Manila)	1898	(1)	----------	5,743,785.33	25,508,735.52
Total		361,716.67	4,081,371.42	364,188,803.88	686,805,337.03
NONINDUSTRIAL YARDS, STATIONS, AND MISCELLANEOUS					
Frenchmans Bay, Me	1900	24,650.00	----------	534,792.31	161,504.69
Naval torpedo station, Newport, R. I	1869	(1)	76,850.00	4,615,035.46	23,424,903.48
Naval station, Newport, R. I. (including training station and War College)	1881	(1)	283,416.03	9,050,944.72	34,572,604.55
Melville, R. I	1901	35,709.00	----------	1,565,789.17	1,364,149.79
Submarine base, New London, Conn	1918	(2)	----------	4,064,006.41	6,866,365.63
Mine depot, New London, Conn	1918	(2)	----------	529,900.00	35,167.71
Navy supply depot, Brooklyn, N. Y	1918	658,000.00	----------	6,151,096.38	23,897,046.87
Naval Home, Philadelphia, Pa. (including naval hospital)	1826	16,352.91	12,583.25	185,714.80	8,448,053.42
Naval Academy, Annapolis, Md	1845	1,800.00	532,773.54	20,424,448.01	70,595,863.00
Naval Observatory, Washington, D. C	1880	75,000.00	----------	1,041,794.58	923,511.27
Naval powder factory, Indianhead, Md	1890	13,220.00	55,052.50	8,835,347.90	12,479,660.93
Naval torpedo station, Alexandria, Va	1918	118,786.00	----------	3,991,059.36	2,085,655.31
Hampton Roads, Va. (including training station, submarine base, and operating base)	1918	1,201,509.05	----------	29,794,646.39	56,964,129.25
Naval ordnance plant, South Charleston, W. Va	1918	44,151.93	----------	23,212,152.32	9,597,167.99
Port Royal, S. C	1883	5,000.00	18,153.69	1,717,309.19	4,563,893.09
Naval air station, Pensacola, Fla	1828	(3)	----------	13,378,108.01	25,368,218.45
Key West, Fla. (including Dry Tortugas, Womans Key, and Fleming Key)	1833	4,000.00	206,111.51	4,911,131.35	9,617,666.92
New Orleans, La	1849	15,000.00	133,002.04	4,899,796.11	9,361,098.57

Training station, Great Lakes, Ill	1904	(1)	1,145,685.24	25,744,667.54	67,304,875.95
Training station, San Francisco, Calif	1864	(1)	55,000.00	924,348.07	15,719,757.82
Tiburon, Calif	1904	80,000.00		1,130,490.15	1,193,430.81
San Diego, Calif. (including Marine Corps base)	1901	(1)	257,500.00	11,041,452.08	11,089,245.01
Pacific Coast Torpedo Station, Keyport, Wash	1914	60,801.39		854,672.49	2,634,511.08
Guantanamo, Cuba	1903	(4)		3,655,569.17	6,664,547.53
Tutuila, Samoa	1891	214.29	39,115.11	671,744.39	3,779,086.88
Guam, Marianas Islands	1898	(1)	13,669.08	1,470,514.74	7,841,734.64
Olongapo, P. I	1902	(1)		5,462,589.52	10,510,327.58
Radio stations				9,790,221.66	14,062,602.19
Air stations				17,520,785.09	39,998,181.31
Additional facilities (plants of Navy contractors)				24,451,733.56	
Title R-district craft				4,134,380.38	
Miscellaneous stations				1,085,454.62	12,219,174.44
Total		2,354,194.57	2,828,911.99	246,841,695.93	493,344,136.16
Grand total		2,715,911.24	6,910,283.41	611,030,499.81	1,180,149,473.19

[1] No cost for original site.

[2] Acquired in 1868 by gift from State of Connecticut.

[3] No record.

[4] Leased.

Statement 37.—INVENTORY VALUE OF INDUSTRIAL YARDS AND NONINDUSTRIAL YARDS AND STATIONS

FIRST COST OF INDUSTRIAL YARDS BY CLASSES

	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Total
	Land and appurtenances	Buildings and structures	Miscellaneous equipment	Plant appliances	Machinery, and machine tools	Portable power tools	Loose and hand tools	
Portsmouth	$3,647,708	$5,734,443	$604,431	$1,468,985	$1,774,438	$50,401	$74,870	$13,355,276
Boston	13,686,514	15,368,973	421,944	2,795,784	2,734,183	212,295	435,134	35,654,827
New York	28,211,670	18,919,393	5,536,707	3,844,485	5,074,998	324,170	365,856	62,277,279
Philadelphia	16,039,319	23,530,799	789,493	5,393,417	4,512,402	177,320	417,745	50,860,495
Washington	6,131,227	11,336,709	2,116,692	4,860,893	15,330,264	58,668	1,123,460	40,957,913
Norfolk	7,960,210	19,244,837	1,248,959	4,251,831	4,759,380	286,492	381,417	38,133,126
Charleston	1,826,452	4,437,673	136,955	1,590,331	1,154,153	54,753	46,725	9,247,042
Mare Island	4,639,977	14,146,055	311,656	4,249,127	3,179,995	229,362	329,173	27,085,345
Puget Sound	4,916,413	10,015,368	439,408	3,717,940	2,639,948	202,661	671,328	22,603,066
Pearl Harbor	8,791,895	9,450,806	163,810	2,261,618	1,060,893	36,558	45,939	21,811,519
Cavite	2,294,386	2,737,036	108,336	1,290,843	643,964	11,371	24,723	7,110,659
Baldwin	10,142	191,867	8,964	29,452	110,886	50	1,440	352,801
Aircraft factory	803,625	4,330,151	290,185	678,152	515,059	17,590	22,982	6,657,744
Navy supply depot	1,087,276	6,767,083	158,861	908,415	39,953	177	3,126	8,964,891
Grand total	100,046,814	146,211,193	12,336,401	37,341,273	43,530,516	1,661,868	3,943,918	345,071,983

APPRAISED VALUE OF INDUSTRIAL YARDS

(Depreciation is computed by the "fixed percentage on reducing balance" method on all items in classes 2, 3, 5, and 6, except dry land, water rights, typewriters, computing machines, and motor-propelled vehicles, the last three items being exempted from the operation of the depreciation reserve owing to the provision of the naval acts approved Aug. 22, 1912, and Aug. 29, 1916, permitting worn-out typewriters, computing machines, and motor-propelled vehicles to be exchanged as a part of the purchase price of new ones. All additions and replacements under classes 4, 7, and 8 being charged directly to expense, no depreciation is computed on plant values under those classes, which remain at first-cost figures. Adjustment between the plant ledgers and cost records in the cases of items in classes 4, 7, and 8 are periodically made by physical inventories.)

Portsmouth	$2,467,752	$1,717,124	----------	$656,192	$411,649	----------	----------	$5,252,717
Boston	12,117,531	8,968,536	----------	1,348,698	792,390	----------	----------	23,227,155
New York	24,579,059	6,457,986	----------	1,643,423	1,635,006	----------	----------	34,315,474
Philadelphia	11,812,874	14,139,463	----------	2,788,773	1,664,590	----------	----------	30,405,700
Washington	3,981,770	6,589,329	----------	1,793,976	4,648,202	----------	----------	17,013,277
Norfolk	4,873,665	8,999,591	----------	1,745,421	1,535,358	----------	----------	17,154,035
Charleston	652,564	1,585,686	----------	748,416	257,918	----------	----------	3,244,584
Mare Island	1,896,356	4,052,560	----------	1,860,846	965,615	----------	----------	8,775,377
Puget Sound	3,171,762	4,146,116	----------	1,663,548	686,421	----------	----------	9,667,847
Pearl Harbor	6,815,836	4,282,737	----------	753,899	257,060	----------	----------	12,109,532
Cavite	1,561,544	1,288,328	----------	750,968	341,751	----------	----------	3,942,591
Baldwin	5,765	131,547	----------	12,862	37,623	----------	----------	187,797
Aircraft factory	458,353	3,010,401	----------	344,230	295,586	----------	----------	4,108,570
Navy supply depot	998,110	6,030,116	----------	788,384	10,984	----------	----------	7,827,594
Grand total	75,392,941	71,399,520	----------	16,899,636	13,540,153	----------	----------	177,232,250

Statement 37.—INVENTORY VALUE OF INDUSTRIAL YARDS AND NONINDUSTRIAL YARDS AND STATIONS—Contd.

INVENTORY VALUE OF NONINDUSTRIAL YARDS AND STATIONS

Station No.	Name	Location	First cost value	Work in progress, Title R
101	Naval fuel depot	Frenchmans Bay, Me	$380,091.57	
105	Naval hospital	Portsmouth, N. H	590,348.60	
109	Navy mine depot	Yorktown, Va	4,182,278.52	$796.36
112	Naval hospital	Chelsea, Mass	1,865,267.21	
113	Naval ammunition depot	Hingham, Mass	2,481,323.58	
120	Navy purchasing office	Newport, R. I	1,412.00	
121	Naval training station	do	3,842,774.79	
122	Naval torpedo station	do	1,266,721.49	
123	Naval station	Narragansett Bay, R. I	8,196,158.98	13,756.27
124	Naval war college	Newport, R. I	200,493.74	
125	Fuel station	Melville, R. I	48,829.15	
129	Submarine base and mine depot	New London, Conn	5,035,477.42	2,486.82
134	Naval magazine	Fort Lafayette, N. Y	346,897.92	
135	Naval ammunition depot	Iona Island, N. Y	1,445,465.24	
136	do	Lake Denmark, N. J	83,182.20	15,132.60
137	Naval hospital	New York	19,847.00	
140	Navy purchasing office	do	12,556.13	
144	Medical supply depot	do	382,813.84	
152	Naval ammunition depot	Fort Mifflin, Philadelphia, Pa	3,325,157.84	
153	Naval Home	Philadelphia, Pa	558,496.41	334.27
157	Naval air station	Cape May, N. J	3,117,609.00	
158	Naval hospital	League Island, Pa	1,024,775.37	
161	Naval Academy	Annapolis, Md	3,983,635.27	5,369,973.12
165	Naval ordnance plant	South Charleston, W. Va	23,703,087.86	
166	Naval air station	Anacostia, D. C	500,402.66	
173	Naval research laboratory	Bellevue, D. C	1,412,870.73	144,851.11
174	Naval powder factory	Indianhead, Md	13,017,174.73	376.20
175	Naval hospital	Washington, D. C	1,378,252.56	21,351.59
180	Naval fuel-oil station	Yorktown, Va	2,040,345.30	
182	Naval ammunition depot	St. Juliens Creek, Va	3,313,484.00	
183	Naval hospital	Norfolk, Va	406,488.53	7,139.32
187	Naval operating base	Hampton Roads, Va	27,466,503.39	62,095.26
188	Naval air station	do	1,813,368.00	
192	Naval hospital	Parris Island, S. C	259,919.26	
199	do	Charleston, S. C	797,061.90	
200	Submarine base	Key West, Fla	1,780,619.75	2,868.98
201	Naval station	do	2,941,169.17	82,706.45
204	Naval air station	Pensacola, Fla	6,851,816.06	22,135.78
205	Naval station	New Orleans, La	4,715,388.78	
210	Naval training station	Great Lakes, Ill	9,521,931.76	1,284,110.38
215	Naval torpedo plant	Alexandria, Va	3,623,991.03	

217	Helium production plant	Fort Worth, Tex	5,257,244.49	
219	Naval operating base	San Francisco, Calif	1,279,767.07	
222	Naval ammunition depot	Mare Island, Calif	1,542,752.17	1,672.01
224	Fuel station	Tiburon, Calif	1,295,613.58	
225	Fuel depot	San Diego, Calif	1,967,580.81	1,579.52
226	Naval hospital	Mare Island, Calif	883,780.74	
243	Marine Corps base	San Diego, Calif	3,022,227.32	447,845.03
244	Naval operating base	do	1,255,760.67	5,853.90
245	Destroyer repair base	do	2,346,219.08	8,683.86
246	Naval air station	do	6,176,556.42	124,506.94
247	Naval training station	do	2,987,703.60	6,357.32
248	Destroyer stores office	do	721.00	
252	Naval ammunition depot	Puget Sound, Wash	768,588.13	
253	Pacific coast torpedo station	Keyport, Wash	1,061,368.49	21,220.97
254	Naval hospital	Puget Sound, Wash	595,029.84	
255	Submarine and destroyer base	Astoria, Oreg	313,190.11	
259	Naval hospital	San Diego, Calif	1,693,963.67	459,936.81
265	Naval air station	Lakehurst, N. J	7,441,716.53	6,551.02
267	Naval hospital	Key West, Fla	369,365.44	
301	Naval station	Guantanamo, Cuba	2,631,632.05	
303	Submarine base	Coco Solo, Canal Zone	2,444,911.20	
305	Naval air station	do	761,374.00	
312	Naval hospital	Pearl Harbor, Hawaii	703,341.96	
313	Naval ammunition depot	Kuahua, Hawaii	839,184.27	25,389.00
315	Naval air station	Pearl Harbor, Hawaii	1,851,694.25	
322	Naval station	Olongapo, P. I	1,520,536.56	
323	Ammunition depot and chemical laboratory	do	7,377.14	
330	Navy purchasing office	Shanghai, China	1,932.98	
341	Naval station	Tutuila, Samoa	179,016.92	
351	do	Guam, Marianas Islands	1,397,315.07	68,703.75
371	do	St. Thomas, Virgin Islands	339,355.00	
510	Naval base	Balboa, Canal Zone	303,663.87	
568	Submarine base	San Pedro, Calif	62,037.87	
866	Radio station	Colon, Canal Zone	97,234.11	
867a	do	Balboa, Canal Zone	85,546.23	
867b	do	Darien, Canal Zone	508,393.78	
868	do	Cape Mala, Canal Zone	3,030.48	
869	do	Puerto Obaldia, Canal Zone	1,481.50	
870	do	La Palma, Canal Zone	3,488.56	
871	Radiocompass station	Colon, Canal Zone	414.16	
983	Radio station	Managua, Nicaragua	894.48	
9911	Eleventh Naval District headquarters	San Diego, Calif	91,478.77	
	Total		202,029,973.11	8,208,414.64

Statement 38.—BALANCE SHEET OF THE GENERAL LEDGER AS OF JUNE 30, 1925

Account	Name of accounts		Debit balance	Credit balance
	FINANCIAL ACCOUNTS			
1	Appropriations, Treasury balances			$144,060,179.45
2	Available funds		$104,744,970.71	
3	Cash in hands of disbursing officers, G. A. A		28,935,854.81	
3a	Loss of funds, G. A. A		104,075.69	
4	Treasury advances to disbursing officers			31,597,023.36
5	General account of advances		39,315,208.74	
13	Funds in transit		2,537,410.31	
19	Consular bills of exchange paid for which accounts have not been received		19,682.55	
	COST ACCOUNTS			
29	Appropriations—unexpended balances:			
	Naval appropriations	$132,885,354.26		
	Navy allotment of other Government department appropriations	1,738,345.93		
			134,623,700.19	
29a	Profit and sales credited to "Miscellaneous receipts" not reported to G. A. O. for adjustment			333,843.56
30	Appropriations made by Congress, 1789–1925			11,153,963,021.04
31	Appropriations transferred to surplus fund of the Treasury, 1789–1925		555,208,576.39	
31a	Reappropriations made by Congress		738,497,692.49	
51	Work in progress, naval supply account		1,773,318.96	
52	Work in progress, appropriation purchases account		8,416,901.56	
53	Work in progress, clothing and small stores		1,094,152.22	
55	Purchases, naval supply account			1,080,682.76
56	Purchases, appropriation purchases account			3,113,556.36
58	Purchases, clothing and small stores account			64,143.96
62	Appropriations transferred to other Government departments		2,761,743.34	
66	Stores in transit between supply officers		12,640,048.51	
68	Cost of the Navy:			
	Balance July 1, 1924	$9,400,669,141.87		
	Annual expenditures during fiscal year ending June 30, 1925	323,940,512.69		
			9,724,609,654.56	
71	Accounts receivable—other Government departments		1,864,620.48	
72	Accounts receivable—foreign governments		6,475.95	
73	Accounts receivable—special deposits			44,526.54
74	Accounts receivable—surplus and condemned sales			269,153.80
75	Accounts receivable—regular sales		1,296,464.62	
	PROPERTY ACCOUNTS			
80	First cost of ships on Navy list June 30, 1925		1,212,913,614.51	
81	First cost of ships' equipage		144,044,308.16	
82	First cost of stations		620,656,694.46	
83	Stores, naval supply account		105,070,793.64	
84	Stores, appropriation purchases account		563,694,858.93	

85	Stores, reserve material Navy account	1,298,778.17	
86	Stores, clothing and small stores account	27,383,158.43	
87	Stores, Navy petroleum reserves	2,638,890.07	
88	Stores, medical	2,764,124.88	
89	Stores, Marine Corps	33,287,968.99	
90	Property investment		2,737,677,611.49
		14,072,203,742.32	14,072,203,742.32

REPORT OF THE MAJOR GENERAL COMMANDANT OF THE UNITED STATES MARINE CORPS

HEADQUARTERS UNITED STATES MARINE CORPS,
Washington, September 30, 1925.

From: The Major General Commandant.
To: The Secretary of the Navy.
Subject: Annual report of the condition and service of the United States Marine Corps.

In presenting this report to the Secretary of the Navy for his consideration I wish especially to stress the matter of appropriations. In February, 1925, Congress appropriated for a strength of 18,000 enlisted for the fiscal year 1926, thereby causing a reduction of 1,500. This reduction has already been keenly felt throughout the corps. It necessitated disbanding the famous Sixth Regiment, then stationed at Quantico. Other posts were also correspondingly reduced. During the past year, with a strength of 19,500, the Marine Corps maintained navy-yard guards, guards at small naval stations, ships' guards, and furnished special guards on call from the Navy Department. The demands for additional marines at navy yards, naval stations, and for ships' detachments are not decreasing, but, on the other hand, are increasing. This situation in regard to the personnel makes it more and more difficult for the Marine Corps in the carrying out of its mission.

I feel that the subject of appropriations for permanent construction at Quantico should receive special consideration. Conditions there are not improving in regard to the building situation. Quarters for officers and men consist of remodeled, temporary, war-time buildings now about eight years old. Their condition is such that the work of repair and upkeep is wasteful of both time and money, and the shelter afforded is neither adequate nor suitable. It is hoped that Congress will relieve this situation by approving the recommendation for an appropriation to cover the cost of beginning construction of permanent buildings to house the personnel at Quantico.

APPROPRIATIONS

The appropriations for the past fiscal year provided for an average commissioned strength of 1,002 and an average enlisted strength of 19,500.

The policy of economy has been strictly carried out in all branches by all departments of the Marine Corps. All expenditures were rigidly scrutinized. The Marine Corps has carried out its mission and effected savings in the appropriations for the Paymaster's and Quartermaster's Departments.

RECRUITING

At the beginning of the fiscal year 1925 the Marine Corps had an enlisted strength of 19,176, or 324 under the number appropriated for by Congress. However, by an intensive drive in recruiting the enlisted strength was soon brought up to that appropriated for by Congress. From then until the beginning of the calendar year 1925 recruiting remained active. At the beginning of the calendar year 1925 there was a strong indication that Congress would only appropriate for 18,000 during the fiscal year 1926, causing a reduction of 1,500 in the enlisted strength. This figure was subsequently fixed in the naval appropriation act of February 11, 1925. As a result of this, the recruiting policy was so shaped during the spring months that by June 30, 1925, the corps would be but little over strength. On that date there were 18,310 enlisted men in the service, very closely approximating the number the Major General Commandant desired. During the fiscal year 1925 a total of 6,482 were enlisted and an average strength of 19,176 maintained.

The standards (physical, mental, and moral) were maintained on the usual high plane. For reenlistment the usual high standards were required of ex-marines, and only those ex-Army and ex-Navy men with excellent conduct records were permitted to reenlist. Every care has been taken that applicants for original enlistment and for reenlistment should be of good moral character. The height standard for first enlistment was maintained at 65 inches, which standard remains in force. Ex-enlisted men are accepted, however, if 64 inches or over in height.

Only native born or fully naturalized citizens were accepted for first enlistment. Former service men who are aliens, but who have legally declared their intention to become citizens of the United States, were accepted if qualified in all other respects. During the fiscal year 60 aliens who had declared their intention of becoming citizens of the United States were accepted for reenlistment, 23 naturalized citizens were accepted for first enlistment, and 168 naturalized citizens were reenlisted. The debarring of aliens who had only secured first papers was particularly hard on the districts of Buffalo, Detroit, Boston, and New York, but notwithstanding this handicap the districts mentioned were able in the majority of instances to obtain their quotas.

All first enlistments and reenlistments from the Navy were for the four-year period. Ex-marines had the option of reenlisting for either the three or the four year period until March 1, 1925, but from and including that date all reenlistments were made for four years.

A limited number of young men between the ages of 17 and 18 years have been enlisted as privates to learn the drum and trumpet, and upon graduation from the music schools at Parris Island and San Diego are rated as trumpeters. If they are found to be inapt for field musicians, they are retained and finish their enlistments as privates in the line. Twenty enlistments to learn the drum and trumpet (five from each recruiting division) is the monthly limit.

No married men have been accepted for original enlistment or reenlisted from the Army or Navy, and in the cases of reenlisted

married marines waivers have been granted only under exceptional circumstances. On June 22, 1925, Marine Corps Order No. 6 was published concerning the enlistment and reenlistment of married men, and sets forth that authority for the reenlistment of married marines would not ordinarily be granted for men in the fourth, fifth, sixth, and seventh pay grades, except in meritorious cases, for those on duty in staff offices or in the recruiting service, and for sergeants married before October 1, 1925.

Recruiting stations have been opened in outlying cities and towns, all of them, with a few exceptions, located in no-rent quarters. Tent recruiting stations have been established in many cities during the summer months. These have proved very successful. Because of the undesirable location of some offices it has been necessary to secure quarters at slightly higher rentals. However, office rent, as well as rental for garages, has been kept at the absolute minimum, the majority of our recruiting offices being located in Federal or Government-owned buildings. The Army and Navy radio services have been used wherever delay of messages would not result in the necessity of boarding and lodging applicants at increased cost to the recruiting service. It has been found to be more economical to use the commercial land lines in all cases where board and lodging are involved. In order to effect a saving in transportation charges, recruiters have not been sent to the rifle ranges for target practice during the year.

I am gratified to be able to report that the cost of recruiting has been reduced to $66.43 per recruit as compared with $70.24 for the fiscal year 1924. This reduction was accomplished notwithstanding the fact that for several months some of the districts belonging to the central and southern divisions were transporting men overland to the west coast during the time men were urgently needed on that coast.

Publicity matter of the recruiting bureau is reproduced in a large number of newspapers at no additional cost to the recruiting service, and this form of publicity has resulted in the corps being kept constantly before the public.

The new Reserve Regulations have been furnished the recruiting service and progress is being made in carrying out the provisions of the act dated February 28, 1925, toward building up a reserve.

It is estimated that it will be necessary to enlist approximately 7,100 men during the fiscal year 1926. While the restriction contained in the naval appropriation act approved May 28, 1924, relative to the acceptance without consent of the parents of men under 21, has resulted in added work to the recruiting service, and made it more difficult to procure the desired number of men, nevertheless it is believed that the provision mentioned has been of benefit to the Government in that it has not been necessary to discharge so many men by reason of under-age enlistment. Furthermore, it has brought the recruiting service in closer touch with the people at large and resulted in a better understanding of the service.

APPOINTMENT OF OFFICERS

On January 5, 1925, a letter was addressed to the president of each of 32 distinguished military colleges stating that it was desired

to fill 25 vacancies in the grade of second lieutenant by graduates of the 1925 classes of colleges having the "distinguished military" rating. Twenty-seven colleges responded with 81 requests. The favorable recommendations of the president and professor of military science and tactics on duty at the college are considered sufficient evidence of the moral qualifications of applicants, and diploma of graduation is accepted in lieu of professional examination. Twenty of such graduates have been found qualified and have been commissioned.

From the graduating class, United States Naval Academy, 16 were commissioned as second lieutenants in the Marine Corps.

Of the 1924 class of candidates for commission (noncommissioned officers) 10 were successful in the final examinations and were commissioned second lieutenants, probationary, in the Marine Corps in February, 1925.

For the year 1926, 26 noncommissioned officers were recommended by their commanding officers for advancement to commissioned grade, and of this number the Major General Commandant selected 20 to attend the class of candidates for commission school at marine barracks, Washington, D. C. After a six months' course of instruction these candidates will be examined physically and mentally to determine their fitness for commissions as second lieutenants, probationary.

RETIREMENTS, DEATHS, RESIGNATIONS, ETC.

Retirements, deaths, resignations, etc., during the past fiscal year have been as follows:

Commissioned officers retired	2
Commissioned officers died (active list)	6
Commissioned officers died (retired list)	8
Commissioned officers resigned	19
Commissioned officers dismissed	5
Warrant officers retired	2
Warrant officers dismissed	1
Enlisted men died (active duty)	69
Enlisted men died (inactive status, reserve)	2
Enlisted men died (retired list)	12

The status of the disposition of bodies of overseas dead is as follows:

Remains returned to United States	1,819
Remains permanently buried in Europe	771
Remains unlocated and unidentified	209
Remains disinterred awaiting disposition	8
Total	2,807

MEDALS, BADGES, AND DECORATIONS

The following is a summary of medals, badges, and decorations awarded during the fiscal year 1925:

Civil War badges	1
Spanish campaign badges	19
Philippine campaign badges	17
China campaign badges	2
Cuban pacification badges	10

Nicaraguan campaign badges	4
Mexican service badges	97
Dominican campaign badges	754
Haitian campaign badges (1915)	36
Haitian campaign badges (1919–20)	673
Haitian campaign bars (1919–20)	38
Commemorative expeditionary ribbons	831
Commemorative expeditionary numerals	119
Good-conduct medals	1,091
Good-conduct medal bars	623
Good-conduct medals issued to the Department of the Pacific	400
Good-conduct medal bars issued to the Department of the Pacific	100
Victory medals	2,192
Victory-medal clasps, stars, and crosses	14,057
Victory buttons (bronze and silver)	2,240
Croix de Guerre	5
Croix de Guerre diplomas	22
Distinguished-service medals	3
Wound certificates	8
War-service certificates	442
Honorable-discharge buttons issued	170
Honorable-discharge buttons sent to posts	2,591
Fourrageres	10

DISTRIBUTION OF PERSONNEL

Complements were maintained on 33 vessels of the Navy, including those with the various fleets, the special service squadron, and the forces in European waters. In the United States complements were maintained at the navy yards, naval stations, Marine Corps stations, naval operating bases, naval ammunition depots, receiving ships, naval hospitals, radio stations, east and west coast expeditionary forces, recruiting depots, and recruiting service. Outside the United States complements were maintained at Peking, China; the Philippines; Guam; Pearl Harbor; the Virgin Islands; Guantanamo Bay; Nicaragua; Coco Solo, Canal Zone; and in Haiti. Transfers of personnel to and from the West Indies, the east and west coast, the Far East, and to European waters were effected by both Army and Navy transports.

The Second Brigade, Marine Corps, was withdrawn from the Dominican Republic and the organization was disbanded. The Fourth Regiment, formerly a part of the Second Brigade, was transferred from Santo Domingo to the Marine Corps base, San Diego, Calif.; the Seventh Regiment was disbanded at Marine Corps base, San Diego, Calif., and its personnel absorbed by the Fourth Regiment.

Upon the withdrawal of the marines from Santo Domingo a battalion was organized and designated the Third Battalion, Sixth Regiment. This battalion was transferred to Cuba on special temporary foreign shore service. In January, 1925, the First Battalion, Sixth Regiment, was transferred from the marine barracks, Quantico, Va., to relieve the Third Battalion, and the latter battalion was transferred to Quantico. The battalion serving at Guantanamo Bay, Cuba, is now designated "First Separate Battalion."

The following new organizations were established:

Marine detachment, receiving ship, navy yard, Charleston, S. C.

Marine detachment, receiving ship, Puget Sound, Wash.

While on the midshipmen's cruise the marine detachments on board the *Arkansas*, *Utah*, and *New York* were transferred ashore due to the shortage of space on those vessels. These detachments were ordered to the Maryland State rifle range, Glen Burnie, Md., for training during the period of the cruise.

The marine detachment of the *Savannah* was transferred to the *Camden*.

OPERATIONS

Operations have extended over nearly this whole period. However, they were localized to China. The operations were on a small scale and the forces dispatched from Guam, Cavite, and the west coast were not organized forces, and the duty consisted in guarding the lives and property of American and other foreign residents.

TRAINING

Training has been conducted throughout the Marine Corps at all posts and stations during the past year along the lines of accepted military practice. Provision has been made for special training where required, as for men selected for duty aboard ship. Athletic as well as military training has been emphasized. In the smaller posts and organizations training activities are limited on account of the nature of the duties performed by the personnel at these posts. At Quantico, however, there has been maintained an expeditionary force comprising infantry, artillery, auxiliary troops—such as engineers, signal, gas, tank, and an aviation group—all of these equipped and trained for service with the United States Fleet. A training center has been operated in Haiti, at which throughout the year the troops garrisoning that country have in turn undergone periods of intensive training. A west coast expeditionary force, stationed at San Diego, Calif., has been organized. All recruits have been given courses of training at Parris Island, S. C., or San Diego, Calif., before being assigned to regular duty.

Training has at all times been conducted with the end in view of "supporting the fleet in the accomplishment of its mission." Experience has proven that there is a necessity for the Marine Corps to be prepared to act with the fleet at a moment's notice. Disturbances which may arise may require that a landing force from the naval force be used ashore for the protection of American interests.

SCHOOLS

MARINE CORPS SCHOOLS, MARINE BARRACKS, QUANTICO, VA.

The Marine Corps schools at the marine barracks, Quantico, Va., have been conducted along lines similar to previous years. A change was made, however, in that the basic school was transferred to the marine barracks, navy yard, Philadelphia, Pa. The class which attended the field officers' school consisted of field officers and senior captains who were due for promotion within a very short time. The class attending the company officers' school was composed of captains and of senior first lieutenants who were due for promotion to captain in a very short time. The newly appointed second lieutenants in the Marine Corps attended the basic school at Philadel-

phia. The purpose of these schools in the Marine Corps is to give to the officers of various grades thorough education in professional subjects suitable to their rank. The methods followed have been those which have been approved by both the Army and Navy and with modifications have been adapted to the requirements of the Marine Corps. Upon completion of the courses in these schools, officers with satisfactory marks in all subjects are awarded certificates of graduation. Those who fail in any subjects are given certificates covering only the subjects in which passing grades were made.

OTHER SCHOOLS

In addition to the above schools, officers of the Marine Corps were in attendance in the following schools:

Army War College, Washington, D. C.
Command and General Staff Schools, Fort Leavenworth, Kans.
The Infantry School, Fort Benning, Ga.
Naval War College, Newport, R. I.
Chemical Warfare School, Edgewood Arsenal, Md.
Motor Transport Training School, Camp Holabird, Md.
Army Signal Corps School, Camp Alfred Vail, N. J.

Enlisted men of the Marine Corps were in attendance at the following-named schools:

Armorers' School, depot of supplies, Philadelphia, Pa.
Motion Picture Operators' School, navy yard, New York.
Aviation Mechanics' School, Great Lakes, Ill.
Motor Transport Training School, Camp Holabird, Md.
Clerical School detachment, marine barracks, Washington, D. C.
Quartermaster School in Administration, depot of supplies, Philadelphia, Pa.
Sea School, navy yard, Norfolk, Va.
Sea School, Marine Corps base, naval operating base, San Diego, Calif.
Preparatory class of candidates for the Naval Academy, Hampton Roads, Va.
Preparatory class of candidates for the Naval Academy, San Francisco, Calif.
Candidates for commission class, marine barracks, Washington, D. C.
Radio School, marine barracks, Quantico, Va.
Cooks' and Bakers' School, marine barracks, Parris Island, S. C.

Ten enlisted men of the Marine Corps who received the recommendation of their commanding officers and who qualified in the final examinations held at the preparatory school at Hampton Roads, Va., were discharged from the Marine Corps to enter the Naval Academy as midshipmen.

MARINE CORPS INSTITUTE

During the past year the educational activity of the Marine Corps centered in the courses of instruction offered by the Marine Corps Institute in a variety of technical and general subjects and has shown a steady increase.

In addition to the regular courses two classes have received instruction in the clerical schools conducted by the institute and one class of noncommissioned officers has completed the course of instruction preparatory to examination for commissions.

	1925	1924	1923	1922	1921
Number of students on rolls	7,760	7,915	6,468	4,523	4,324
Number of lessons received	59,749	58,932	47,885	38,262	24,855
Number of graduates	949	646	365	225	99

Summarized report of activities since establishment

Total number of students enrolled	27,587
Total number of lessons received and corrected	229,683
Total number of graduates	2,284

TARGET PRACTICE

During the period July 1, 1924, to June 30, 1925, 16,644 marines fired the rifle for qualification. The percentage of those qualifying out of this number was 82.4, or 13,715. In view of the fact that twice within the last year the requirements for rifle shooting have been raised, this is regarded as an especially good showing.

During the period July 1, 1924, to June 30, 1925, 6,841 men fired the pistol for qualification. Of this number 65.7 per cent, or 4,492, qualified as pistol marksman or better. There were 285 marines also that fired the automatic rifle during the above period, of which number 220 qualified as automatic marksman or better.

The following table shows the number of men who have qualified in marksmanship for this and the five preceding years:

Rifle

Classification	1920	1921	1922	1923	1924	1925
Expert riflemen	3,867	2,958	3,152	3,439	3,682	3,284
Sharpshooters	3,935	4,059	4,113	3,930	3,915	3,590
Marksmen	8,937	8,665	8,185	7,494	6,646	6,841
Total	16,739	15,682	15,450	14,863	14,243	13,715
Per cent enlisted strength	77.4	73.5	79.3	76.5	72.6	74.3

Pistol (for fiscal year ending June 30, 1925)

Expert pistol shots	747
Pistol sharpshooters	1,587
Pistol marksmen	2,158
Total qualified	4,492

The Franklin Wharton cup for excellence in target practice was awarded, for the target year 1924, to the One hundred and seventeenth Company, marine barracks, naval station, Pearl Harbor, Hawaii.

COMPETITIONS

During the period from July 1, 1924, to June 30, 1925, the marines participated in and won the following matches:

Wakefield, Mass.

The Hayden All-American match.
The Pfaff match.
The Marine Corps long-range trophy match.
The Portal match.
The First Corps Area match.
The Captain Ratigan match.
The Neidner match.
The Malley match.
The Cummings match.
The McKenzie match.

The Myrick match.
The McKenna match.
The Ancients match.
The Lombard match.
The Atteaux match.
The Palmer match.
The Jenks match.
The Goward match.
The Hornblower match.
The Nagle match.

The marines won all the matches they entered at Wakefield except one, and in many instances second, third, and fourth places.

Sea Girt, N. J.

The Nevada trophy match.
The Sea Girt national team match.
The Sadler trophy match.
The Dryden trophy match.
The Sea Girt national individual match.
The two-man-team match.
The Sea Girt championship match.
The Swiss match.
The Libbey trophy match.
The Hayes match.
The Gen. E. P. Meany match.
The all-comers expert match.
The all-comers short-range match.
The Eisner match.
The Sea Girt national pistol team match.
The Sea Girt national individual pistol match.

Camp Perry, Ohio

The N. R. A. 200-yard rapid-fire match.
The N. R. A. 300-yard rapid-fire match.
The N. R. A. rapid-fire championship match.
The Marine Corps cup match.
The N. R. A. 600-yard any rifle match.
The any rifle championship match.
The N. R. A. free rifle reentry match (prone position won by marines).
The united service match.
The individual short-range small-bore match.
The N. R. A. 200-yard two-man-team match.
The N. R. A. 600-yard two-man-team match.
The N. R. A. 1,000-yard two-man-team match.
The national individual rifle match.
The rapid-fire reentry pistol match.
The .22-caliber slow-fire reentry pistol match.
The slow-fire reentry pistol match.
The rapid-fire pistol match.
The .22-caliber pistol team match.
The N. R. A. pistol team match.

The national match fired at Camp Perry, Ohio, during September, 1925, was won by the Marine Corps team.

During the spring of 1925 the usual divisional and Marine Corps matches, as well as the San Diego and Elliott trophy matches, were held by the Marine Corps and were participated in by marines throughout the country and from foreign stations.

In the international matches held in Peru in November, 1924, the Marine Corps was represented by Gunnery Sergeants Morris Fisher and Raymond O. Coulter, United States Marine Corps.

Of 148 individuals who fired individual bombing practice during the gunnery year 1924–25, Maj. Ross E. Rowell, United States

Marine Corps base, naval operating base, San Diego, Calif., won first place.

Out of 420 contestants who fired free machine guns on individual battle practice during the gunnery year 1924–25, Capt. Harold D. Campbell, United States Marine Corps, obtained highest score.

The 5-inch gun division of the marine detachment, U. S. S. *Arizona*, under command of Capt. Lyle H. Miller, United States Marine Corps, attained the highest merit made by a battleship gun division with a battery of that type.

AVIATION

ORGANIZATION

During the fiscal year the aeronautic organization of the Marine Corps operated under the table of organization approved by the Major General Commandant on July 30, 1922, and amended June 28, 1925, as follows:

First aviation group, marine barracks, Quantico, Va.: Three squadrons and one balloon squadron, with necessary headquarters units—

(*a*) Observation Plane Squadron 3 (VO3M): Two active divisions, one inactive division.

(*b*) Fighting Plane Squadron 1 (VF1M): Two active divisions, one inactive division.

(*c*) Service Squadron 1: One active division, two inactive divisions.

(*d*) Kite Balloon Squadron 1 (ZK1M): Consists of one division (four sections), one active section, three inactive sections.

Observation squadron 1 (VO1M), San Diego, Calif.: One active division, two inactive divisions.

Observation squadron 2 (VO2M), Port au Prince, Haiti: One active division, two inactive divisions.

Scouting squadron 1 (VS1M), Sumay, Guam: One active division (four planes), two inactive divisions.

OPERATIONS

Marine Corps aviation groups situated at Quantico, San Diego, and Observation Squadron 2, Port au Prince, Haiti, carried out customary cross-country, radio, and photographic flights. Preliminary gunnery and bombing training was carried on. Annual gunnery and bombing exercises were completed. Numerous emergency calls were met, and many flights were made as a matter of publicity. Marine aviators participated in the exercises at Antietam and also in the joint Army and Navy exercises at Oahu.

TRAINING

Besides the courses conducted at Pensacola and Quantico, officers and men have attended schools of the Army and the Navy at Selfridge Field, Mich., Kelly Field, Tex., and Chanute Field, Ill., Bellevue, D. C., and Great Lakes, Ill. The courses consist of pursuit, observation, photography, parachute rigging, engineering, and radio.

FIELD EXERCISES

During August and September, 1924, the Marine Corps expeditionary force, consisting of one regiment of Infantry, one battalion of Artillery, auxiliary troops and trains, an antiaircraft unit, and an aviation unit, under the command of Brig. Gen. Dion Williams, conducted field exercises near Sharpsburg, Md. The total personnel of the organization was 3,186. The force left Quantico on Sunday, August 24, and proceeded via Fort Humphreys, Washington, Garret Park, Middleburg, Ridgeville, Frederick, to Sharpsburg, Md., where it arrived on Monday, September 1. From Tuesday the 2d to and including Friday, September 12, the force proceeded to carry out the exercises as previously laid down in F–3 annex to the basic plan. The field exercises culminated on national defense day, September 12, 1925, in a demonstration of attack under modern battle conditions on the battle field of Antietam, employing all elements of the expeditionary force—Infantry and auxiliary arms, Artillery, aircraft, antiaircraft guns, tanks, Engineers, and gas troops. This demonstration was witnessed by a large number of official visitors from Washington and approximately 40,000 spectators from the surrounding country. In so far as it was practicable actual battle conditions were simulated, and the result was a graphi representation of a modern advance and assault over varied terrain. Final plans and orders were not promulgated to the troops until the exercises were to begin, thus preventing organization commanders from working out their problems on the maps in advance and to assure independent decisions on the ground as special situations arose. Upon completion of the exercises the force returned to Quantico, via Washington, where it was reviewed by the President, and arrived in Quantico Thursday, September 18.

The exercises conducted during the fall of 1921 and June of 1922 were carried out with the idea that they would be followed with joint exercises with the Navy. This was found to be impracticable. In August, 1923, similar exercises were conducted and were followed by a joint problem with the fleet in January and February, 1924, at Panama and Culebra, at which time the Marine Corps expeditionary force gained invaluable experience in fulfilling its primary mission as a part of the fleet. The exercises in the fall of 1924 were held preparatory to a joint exercise with the fleet in 1925. These preliminary exercises were conducted yearly, due to the fact that the personnel was continually changing and the personnel of this force had almost entirely changed since the fall of 1921.

In the spring of 1925 the joint Army and Navy problem No. 3, in which the Marine Corps participated, was conducted. Plans were made by headquarters Marine Corps for the carrying out of its mission, namely, "to support the fleet, or any part thereof, in the accomplishment of its mission." For this exercise plans and annexes were drawn up in detail. The force was represented by an actual force of 1,500 marines, part of whom came from Quantico and the rest from San Diego. Various officers of the Marine Corps were assigned to command and staff duties with this force. The exercises, which took place at Oahu, were completely successful from the standpoint of the marines. The plans worked to perfection

and the landing was accomplished. In this connection it should be said that the cooperation on the part of the Navy was the determining factor which insured our success. The task assigned during this exercise demonstrated clearly the necessity for special, progressive training on the part of Marine Corps personnel to enable it properly to carry out its assigned duties.

RESERVE

The act of February 28, 1925, effective July 1, 1925, reorganized the Marine Corps Reserve and provides that this reserve consist of two classes, namely, the Fleet Marine Corps Reserve and the Volunteer Marine Corps Reserve, corresponding as nearly as possible to the Fleet Naval Reserve and the Volunteer Naval Reserve, respectively.

Immediately after the passage of this legislation a board of officers was convened by the Major General Commandant at headquarters Marine Corps for the purpose of drawing up regulations governing the new Marine Corps Reserve. The regulations were approved by the Secretary of the Navy and were embodied in chapter 13, new Marine Corps Manual, and promulgated to the service June 20, 1925.

The regulations provide for the administration of a reserve under the following general plan: The country is divided into four reserve areas, corresponding in name and boundaries to the present recruiting divisions, each under a reserve area commander. Every reservist is under the command of the area commander in whose area he resides, and the area commanders' duties with respect to the reservists in their areas correspond, so far as practicable, to those of post commanders in relation to the personnel of their posts. The administration of the reserve has, therefore, been decentralized to such an extent as to place in the hands of each area commander unusual opportunities for organizing in his particular area a reserve, the size and importance of which depends upon his own initiative and activity.

Under this new reserve bill the corps has the opportunity to build up a real reserve, so that in the event of an emergency we shall be able to get the necessary officers and men to put the Marine Corps on an emergency footing. With this in view active enrollments for the reserve commenced. At the present writing three reserve rifle companies have been authorized, one each at Brooklyn, N. Y., Saginaw, Mich., and Los Angeles, Calif. Communications have been received from reserve officers requesting authority to organize other companies, and headquarters has directed these officers to submit plans, and if they are satisfactory the authority to organize other companies will be given.

One particular feature of the new reserve bill is the opportunity to enroll in the reserve men leaving the service at the end of an enlistment in good standing. This reserve law offers to these men advance payment of $25 per annum, the first payment when they enroll; no service required except in time of war or national emergency declared by the President; the training of these men is authorized if they so request it; and it further provides if a man enrolls in the reserve at the end of an enlistment he gets all the benefits of continu-

ous service in case he decides to reenlist during the period of his four years' enrollment. The only requirements for such men are that they keep headquarters, Marine Corps, informed of their addresses. To date there have been many enrollments in this class, and the Major General Commandant has called the attention of commanding officers to this important feature of the bill, and believes that the corps should be able to have a reserve of 10,000 men of this class in a few years.

HAITI

Peaceful conditions have prevailed in Haiti during this period. The task of maintaining peace and order has been performed by the Gendarmerie d'Haiti, which is composed of Haitian troops commanded by officers most of whom are officers or enlisted men of the Marine Corps.

A marine brigade is still maintained in Haiti. It is the remains of the original force of occupation which brought to Haiti peace and tranquillity. This result, which has brought protection to life and property, is a good basis for judging the general conduct of the force of occupation.

NICARAGUA

On August 3 marines under the command of Maj. R. S. Keyser, United States Marine Corps, embarked on the U. S. S. *Henderson* at Corinto, Nicaragua. This terminated the American Legation guard at Managua, which was established on January 9, 1913, and concluded the activities of the marines in Nicaragua.

A brief summary of activities of the marines in Nicaragua from the first landing up to the present time follows:

In 1853 the marines appeared for the first time in Nicaragua, when a marine detachment from the U. S. S. *Cyane* landed at Greytown to protect American interests.

During the years 1856 and 1857 marines again appeared on the scene at Nicaragua, when an American, William Walker, attempted to establish a slave-holding state in Central America.

During a revolt in 1909 marines were again landed to protect American interests. This revolt was led by Estrada against the Government, at which time Zelaya was President.

In 1910 another force of marines was landed to protect American interests.

Again, on July 29, 1912, a revolution, which was to surpass all others which had gone before, took form, led by Gen. Luis Mena. On August 14, 1912, a detachment of 13 officers and 341 enlisted men arrived at Corinto. Later, on August 24, an expedition of 29 officers and 752 enlisted men sailed from Philadelphia to support the force already in Nicaragua. This force arrived September 5, 1912. The revolt was short lived, and at the close of the year 1912 conditions were more or less normal. However, as a protection for the American Legation at Managua, a legation guard was established on January 9, 1913, which consisted of 4 officers and 101 enlisted men.

QUARTERMASTER'S DEPARTMENT

The funds provided under appropriation "General expenses, Marine Corps, 1925," were as follows:

Provisions	$3,619,000
Clothing	1,385,000
Fuel	600,000
Military supplies and equipment	371,000
Transportation of troops—recruiting	625,000
Repairs of barracks	375,000
Forage	60,000
Miscellaneous supplies and expenses	1,876,800
Total	8,911,800

The policy of economy in expenditures of Government funds has been rigidly adhered to during the year. No opportunity has been neglected to save money or to impress upon the personnel of the Quartermaster's Department the importance and necessity of frugality in every direction. Requisitions for funds, supplies, and projects involving outlays of money are approved and filled only after having passed the closest scrutiny as to essentiality. The quartermaster and his assistants have been unremitting in their efforts to administer the public funds in their charge in conformity with the desire of the administration and to assist to the utmost in lightening the burden of the taxpayers of the country.

Any savings that the records may show as the result of this campaign after all outstanding accounts are adjusted has not been accomplished at the expense of the military well-being of the corps or by depriving the service of real needs, but has been possible only by dint of assiduous application to duty and conscientious management of the financial affairs of the Quartermaster's Department. For instance, by taking advantage of discounts offered by dealers for promptness in paying public bills, a saving of $10,926.11 was effected.

During the year the work of estimating the materials needed in the event of war has been continued. Estimated requirements of some 3,500 items have been determined, including requirements of practically all the principal articles used by the Marine Corps.

The average cost of rations in 36 posts in the United States was $0.4994; 14 posts outside the United States, $0.5410; the average cost of rations for 50 posts within and without the United States was $0.5111.

The following are the major items of repairs and alterations to and construction of public works undertaken during the fiscal year 1925:

Guantanamo Bay, Cuba: The removal of certain portable buildings from Santo Domingo, Dominican Republic, and their reerection at Guantanamo Bay, Cuba, for the accommodation of a battalion of 300 enlisted men on the reservation at Fishermans Point having been authorized by the Secretary of the Navy, funds were allotted to cover such additional material as was required for the reerection of these buildings.

New York, N. Y.: In order to adequately take care of the command at this station, building No. 13 and a portion of building No.

14 were turned over to the Marine Corps and funds were expended in remodeling these two buildings for such use, including the moving of the Marine Corps garage, building No. 515. Repairs and alterations to building No. 93 are under way to convert this building into six apartments for marine officers.

Parris Island, S. C.: The work undertaken at this station includes enlargement of boiler plant by the installation of an additional 500-horsepower boiler and stoker; power plant improvements and replacements of machinery, including a 625 K. V. A. turbo-alternator with necessary auxiliaries; the installation of a causeway for vehicular traffic (preliminary work only); reconstruction of main station pier (started). Reconditioning of the buildings at this station, authorized in the previous fiscal year, was continued throughout the fiscal year 1925.

Peking, China: The enlargement of the power plant by the installation of an additional 150-horse power boiler and a water softening plant is the only major alteration undertaken at this post; the construction of the building was charged against the appropriation for temporary construction.

Quantico, Va.: Maintenance and repair of temporary buildings.

San Francisco, Calif.: On August 11, 1924, the Bureau of Yards and Docks entered into contract with the K. E. Parker Co., San Francisco, for the construction of three stories of a five-story fire and earthquake proof storehouse in the city of San Francisco, for use as a Marine Corps depot of supplies. On March 28, 1925, the Bureau of Yards and Docks, under authority of the Congress, awarded an additional contract to the K. E. Parker Co. for the construction of two additional stories to the above-mentioned building. the fourth floor to be used as storage for Marine Corps supplies and the fifth floor for use of the eleventh naval district activities.

The first three stories of this building were substantially completed on June 15, 1925, at which time the Marine Corps supply depot began the transfer of its stores from two rented buildings in San Francisco to the new building. The contract date of completion for the fourth and fifth floors of the building is September 26, 1925.

San Diego, Calif.: With a view to completing the Marine Corps base, naval operating base, San Diego, so far as the present needs of the service require, within the amount authorized by Congress, the Bureau of Yards and Docks, under date of June 26, 1924, awarded to the W. E. Kier Construction Co., San Diego, contract for the construction of one barracks building, one storehouse, five sets of officers' quarters, railroad siding, concrete roads and walks, and sewer, water, steam, gas, telephone and electric service from these buildings, to existing systems. In addition, furniture has been provided for the five sets of quarters. The contract date of completion is October 8, 1925.

Temporary construction: Of the $10,000 authorized for temporary construction for the fiscal year 1925, $2,279 was authorized for the construction of a temporary building at Guam for use as guardrooms and storerooms and $4,000 for the construction of a building as an addition to the power plant at Peking, China.

PAYMASTER'S DEPARTMENT

This department effected the adjustment in rental allowance to all officers of the Marine Corps, affected by the act of June 10, 1922, and amended by the act of May 31, 1924. This was accomplished without the officers filing claim through the accounting office and without the correspondence and delay incident thereto.

ADJUTANT AND INSPECTOR'S DEPARTMENT

Inspections carried out by this department have shown that the posts throughout the Marine Corps are in highly satisfactory condition.

In addition to the enormous amount of routine business in this department, the applications received for adjusted compensation have been efficiently expedited. The following table shows the status of this activity:

Estimated number of eligible veterans	78,362
Total applications received	53,375
Applications certified to United States Veterans' Bureau	49,218
Disallowances, noneligible veterans	147
Applications pending certification	4,010
Estimated veterans who have not applied	24,987

OPERATIONS AND TRAINING

This division has functioned as in other years in organizing, distributing, and training the Marine Corps. Existing units have been supplied with tables of organization and equipment. Further organization and equipment tables have been prepared for forces which the Marine Corps may be called upon to furnish. Liaison has been maintained with schools of the Army, Navy, and Marine Corps. Training throughout the Marine Corps has been carefully watched to insure that accepted military practices are followed.

QUANTICO

As in former years, Quantico has been the home of the east coast expeditionary force. This force consists of Infantry, Artillery, Aviation, Antiaircraft, Tank, Signal, and Engineer units, which are at all times in readiness for field service. In addition to the necessary military duties, the officers and enlisted personnel have been used to care for the upkeep of buildings at Quantico. With few exceptions these were all built in 1917 and have by this time so deteriorated that they have practically outlived their usefulness.

PARRIS ISLAND

At Parris Island there are located the recruit depot for the east coast and also the naval prison. This island, situated as it is, is ideal for the purposes of training recruits. Weather conditions are such that, except for very few days, training can be conducted without interference throughout the year. During the recruit training the recruits are confined to the island and the practice is followed of transferring them to other stations immediately upon completion of their training, bearing in mind the best interests of the Gov-

ernment. A very interesting report from the commanding officer of the naval prison, covering all activities, has been forwarded to the Judge Advocate General of the Navy.

SAN DIEGO

On August 25, 1924, the Fourth Regiment joined from Santo Domingo via the U. S. S. *Henderson.* The Seventh Regiment was disbanded and personnel transferred to the Fourth. Intensive field training has been carried out to fit the regiment for service in the field. At this base are also the recruit depot and the sea school for the west coast.

During the past year new construction, consisting of five sets of officers' quarters, barracks, and storehouse have been completed. In addition to the above, improvements have been gradually made to the grounds as a whole, such as grading, leveling, etc. This work has been done with enlisted personnel at various times when it did not interfere with military duties.

LEGISLATION

During the past fiscal year Marine Corps legislation of much importance was passed by Congress. However, other legislation of importance which failed to pass and which is to be recommended during the coming session of Congress is as follows:

(*a*) For the establishment of the warrant grade of pay clerk and the commissioned warrant grades of chief marine gunner, chief quartermaster clerk, and chief pay clerk in the Marine Corps.

(*b*) For increase in the number of major generals.

(*c*) For the detail of officers to assist the Latin-American Republics.

(*d*) To avoid the delay in the promotion of officers because of resulting temporary excess in the grade or rank to which promotion is due, caused by the delay of the promotion for any cause of an officer in that grade or rank to fill an existing vacancy in a higher grade or rank.

(*e*) To authorize certain officers of the Marine Corps to accept from the Republic of Haiti medals for distinguished service.

(*f*) To authorize disbursing officers to appoint deputies to perform certain duties.

(*g*) To allow former marines in special instances to purchase Marine Corps clothing.

CONCLUSION

During the past year the marines have not been called for expeditionary duty except for minor landings in China. However, there have been two forces at all times ready for any disturbance, one force at Quantico, the other at San Diego.

It is with pleasure I report that the Marine Corps has been able to carry out its duties and to effect a saving in the amount appropriated by Congress. For this I wish to express my appreciation to the officers and men of the Marine Corps, all of whom by their loyalty and zeal have made this possible.

JOHN A. LEJEUNE.

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